NOTICE TO
FLOOD INSURANCE STUDY USERS

Individual components of this Flood Insurance Study (i.e., text, tables, profiles, and maps) are all subject to revision as additional data become available. Because revised components may be issued separately, study users should consult the community map repository for those components that are currently effective.

In cases where this Flood Insurance Study and any components thereof warrant revision, a Revisions Description section may be incorporated into this text. When applicable, study users should refer to the Revisions Description to obtain pertinent data and information concerning revisions.

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Locust Fork (Lower Branch)	Panel	04P
Locust Fork (Upper Branch)	Panel	05P
Turkey Creek (Lower Branch)	Panels	06P-09P
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Self Creek	Panels	15P-16P
Dry Creek (Warrior River Basin)	Panels	17P-18P
Unnamed Creek 8	Panel	19P
Unnamed Creek 9	Panel	20P
Unnamed Creek 10	Panel	21P
Unnamed Creek 11	Panel	22P
Fivemile Creek (Fivemile Creek Basin)	Panels	23P-38P
Unnamed Creek 13	Panel	39P
Newfound Creek	Panels	40P-41P
Black Creek (Fivemile Creek Basin)	Panels	42P-44P
Barton Branch	Panel	45P
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Exhibit 2 - Flood Boundary and Floodway Map Index
Exhibit 3 - Flood Boundary and Floodway Map

PUBLISHED SEPARATELY:

Flood Insurance Rate Map Index
Flood Insurance Rate Map

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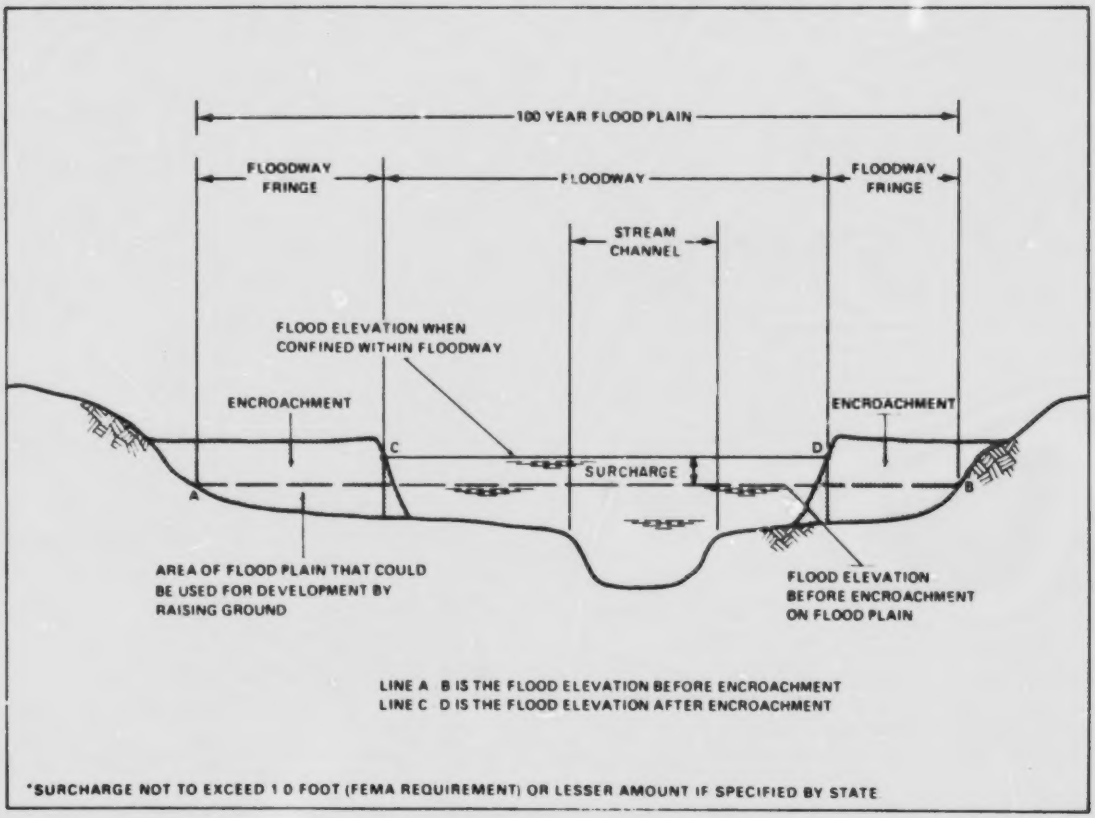

FLOODWAY SCHEMATIC Figure 37

5.0 INSURANCE APPLICATION

In order to establish actuarial insurance rates, FEMA has developed a process to transform the data from the engineering study into flood insurance criteria. This process includes the determination of reaches, Flood Hazard Factors (FHFs), and flood insurance zone designations for each significant flooding source affecting the unincorporated areas of Jefferson County.

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5.1 Reach Determinations

Reaches are defined as lengths of watercourses having relatively the same flood hazard based on the average weighted difference in water-surface elevations between the 10- and 100-year floods. This difference does not have a variation greater than that indicated in the following table for more than 20 percent of the reach.

Average Difference Between 10- and 100-Year Floods	Variation
Less than 2 feet	0.5 foot
2 to 7 feet	1.0 foot
7.1 to 12 feet	2.0 feet

The locations of reaches determined for the flooding sources of Jefferson County are shown on the Flood Profiles (Exhibit 1), and summarized in the Flood Insurance Zone Data Table (Table 3).

5.2 Flood Hazard Factors (FHFs)

The Flood Hazard Factor is used to correlate flood information with insurance rate tables. Correlations between property damages from floods and their assigned FHFs are used to set actuarial insurance premium rate tables based on FHFs from 005 to 200.

The FHF for a reach is the average weighted difference between the 10- and 100-year flood water-surface elevations expressed to the nearest one-half foot, and shown as a three-digit code. For example, if the difference between the water-surface elevations of the 10- and 100-year floods is 0.7 foot, the FHF is 005; if the difference is 1.4 feet, the FHF is 015; if the difference is 5.0 feet, the FHF is 050. When the difference between the 10- and 100-year flood water-surface elevations is greater than 10.0 feet, the accuracy for the FHF is to the nearest foot.

5.3 Flood Insurance Zones

After the determination of reaches and their respective FHFs, Jefferson County was divided into zones, each having a specific flood potential or hazard. Each zone was assigned one of the following flood insurance zone designations.

Zone A: Special Flood Hazard Areas inundated by the 100-year flood, determined by approximate methods; no base flood elevations shown or FHFs determined.

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Zones A1,A2,A3,A4,A5, A6,A7,A8.A9,A10 A11,A12,A13,A14 A15,A17,A18 A19 A23:	Special Flood Hazard Areas inundated by the 100-year flood, determined by detailed methods; base flood elevations shown, and zones subdivided according to FHFs.
Zone B:	Areas between the Special Flood Hazard Area and the limits of the 500-year flood, including areas of the 500-year flood plain that are protected from the 100-year flood by dike, levee or other water control structure; areas subject to certain types of 100-year shallow flooding where depths are less than 1.0 foot; or areas subject to 100-year flooding from sources with drainage areas less than 1 square mile. Zone B is not subdivided.
Zone C:	Areas of minimal flooding.

Table 3, "Flood Insurance Zone Data," summarizes the flood elevation differences, FHFs, flood insurance zones, and base flood elevation for each flooding source studied in detail in the community.

5.4 Flood Insurance Rate Map Description

The Flood Insurance Rate Map for the unincorporated areas of Jefferson County is, for insurance purposes, the principal result of the Flood Insurance Study. This map (published separately) contains the official delineation of flood insurance zones and base flood elevation lines. Base flood elevation lines show the locations of the expected whole-foot water-surface elevations of the base (100-year) flood. This map is developed in accordance with the latest flood insurance map preparation guidelines published by FEMA.

6.0 OTHER STUDIES

A Flood Plain Information Study for Fivemile Creek was published by the U.S. Army Corps of Engineers in 1969 (Reference 6). The study related the flood situation in the portions of the watershed outside the city limits and did not include the development of flood plain mapping or flood profiles within the City of Birmingham.

The USGS prepared a flood report on Fivemile Creek after the heavy rains of March 19-20, 1970 (Reference 5). Their hydrology was based on a rural land use for the entire basin. As a result of the rural land approach, the return frequency of a given storm is less frequent than

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FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1 0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3]
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Ward Mill Creek Reach 1	0016,0017, 0018	-2.22	-0.64	1.60	020	A4	Varies
Unnamed Creek 2 Reach 1	0018,0019	-1.29	-0.40	+0.91	015	A3	Varies
Locust Fork (Lower Branch) Reach 1	0018,0019	-9.35	-2.60	+5.74	095	A19	Varies
Locust Fork (Upper Branch) Reach 1	0037,0039, 0041	-12.94	-3.65	+8.26	130	A23	Varies
Turkey Creek (Lower Branch) Reach 1	0039,0155, 0156,0157, 0176	-5.09	-1.53	+4.01	050	A10	Varies

[1]FLOOD INSURANCE RATE MAP PANEL
[2]WEIGHTED AVERAGE
[3]ROUNDED TO NEAREST FOOT-SEE MAP

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

118

FLOOD INSURANCE ZONE DATA

WARD MILL CREEK-UNNAMED CREEK 2-LOCUST FORK(LOWER BRANCH) LOCUST FORK (UPPER BRANCH)-TURKEY CREEK (LOWER BRANCH)

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FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3]
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Turkey Creek (Lower Branch) (cont'd)							
Reach 2	0176	-6.80	-1.95	+5.33	070	A14	Varies
Turkey Creek (Upper Branch)							
Reach 1	0179,0183	-6.80	-1.95	+5.33	070	A14	Varies
Reach 2	0183,0184 0192,0203 0211	-2.02	-0.60	+1.61	020	A4	Varies
Self Creek							
Reach 1	0181	-0.53	-0.19	+0.72	005	A1	Varies
Reach 2	0181,0182	-2.09	-0.52	+1.02	020	A4	Varies
Reach 3	0182	-0.86	-0.20	+0.40	010	A2	Varies
Dry Creek (Warrior River Basin)							
Reach 1	0183,0184	-1.51	-0.42	+1.01	015	A3	Varies

[1]FLOOD INSURANCE RATE MAP PANEL
[2]WEIGHTED AVERAGE
[3]ROUNDED TO NEAREST FOOT-SEE MAP

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TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

TURKEY CREEK (LOWER BRANCH)-TURKEY CREEK (UPPER BRANCH)-SELF CREEK-DRY CREEK (WARRIOR RIVER BASIN)

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FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1 0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3]
		10% (10 YR)	2% (50 YR)	0 2% (500 YR)			
Unnamed Creek 8 Reach 1	0184	-1.37	-0.40	+1.03	015	A3	Varies
Unnamed Creek 9 Reach 1	0179,0187 0191	-0.92	-0.30	+0.70	010	A2	Varies
Unnamed Creek 10 Reach 1	0179,0183 0191	-1.16	-0.30	+0.70	010	A2	Varies
Unnamed Creek 11 Reach 1	0191	-1.22	-0.34	+0.77	010	A2	Varies
Fivemile Creek (Fivemile Creek Basin) Reach 1	0117,0136, 0137,0139, 0142,0143, 0144,0281, 0282	-8.58	-2.60	+6.30	085	A17	Varies

[1]FLOOD INSURANCE RATE MAP PANEL
[2]WEIGHTED AVERAGE
[3]ROUNDED TO NEAREST FOOT-SEE MAP

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL

(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

120

UNNAMED CREEK 8-UNNAMED CREEK 9-UNNAMED CREEK 10-UNNAMED CREEK 11-FIVEMILE CREEK (FIVEMILE CREEK BASIN)

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3]
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Fivemile Creek (Fivemile Creek Basin) (cont.)							
Reach 2	0282,0301, 0303,0304,	-4.67	-1.45	+3.61	045	A9	Varies
Reach 3	0302,0304	-5.93	-1.79	+4.37	060	A12	Varies
Reach 4	0302,0306, 0308	-7.51	-2.56	+3.91	075	A15	Varies
Reach 5	0308	-8.48	-3.09	+6.27	085	A17	Varies
Reach 6	0307,0309	-3.33	-1.03	+2.70	035	A7	Varies
Reach 7	0307,0326, 0327,0331	-2.55	-0.72	+1.71	025	A5	Varies
Reach 8	0193,0331	-1.05	-0.32	+0.53	010	A2	Varies
Unnamed Creek 13							
Reach 1	0139	-1.39	-0.36	+0.93	015	A3	Varies

[1]FLOOD INSURANCE RATE MAP PANEL
[2]WEIGHTED AVERAGE
[3]ROUNDED TO NEAREST FOOT-SEE MAP

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL

(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

FIVE MILE CREEK (FIVEMILE CREEK BASIN)-UNNAMED CREEK 13

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3]
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Dry Creek (Fivemile Creek Basin) (cont'd)							
Reach 2	0193,0194 0331	-2.06	-0.46	+1.09	020	A4	Varies
Unnamed Creek 23							
Reach 1	0326	-1.02	-0.30	+0.73	010	A2	Varies
Village Creek							
Reach 1	0260,0278	-5.06	-1.46	+3.85	050	A10	Varies
Reach 2	0278,0279 0286,0287	-2.20	-0.66	+1.80	020	A4	Varies
Reach 3	0287,0291 0292	-3.93	-1.16	+3.43	040	A8	Varies
Corbet Branch							
Reach 1	0279,0283	-4.81	-1.19	+4.33	050	A10	Varies

[1]FLOOD INSURANCE RATE MAP PANEL
[2]WEIGHTED AVERAGE
[3]ROUNDED TO NEAREST FOOT-SEE MAP

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

122 FLOOD INSURANCE ZONE DATA

DRY CREEK (FIVEMILE CREEK BASIN)-UNNAMED CREEK 23
VILLAGE CREEK-CORBET BRANCH

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FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3]
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Newfound Creek							
Reach 1	0142,0144 0165	-3.96	-1.18	+2.94	040	A8	Varies
Black Creek (Fivemile Creek Basin)							
Reach 1	0301,0302	-4.88	-1.37	+3.31	050	A10	Varies
Reach 2	0306	-3.25	-1.01	+2.54	030	A6	Varies
Barton Branch							
Reach 1	0326	-1.51	-0.31	+0.81	010	A2	Varies
Tarrant Springs Branch							
Reach 1	0189,0327	-2.13	-0.63	+1.44	020	A4	Varies
Dry Creek (Fivemile Creek Basin)							
Reach 1	0331	-1.10	-0.27	+0.56	010	A2	Varies

[1]FLOOD INSURANCE RATE MAP PANEL
[2]WEIGHTED AVERAGE
[3]ROUNDED TO NEAREST FOOT-SEE MAP

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TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

NEWFOUND CREEK-BLACK CREEK (FIVEMILE CREEK BASIN)-BARTON BRANCH-TARRANT SPRINGS BRANCH-DRY CREEK(FIVEMILE CREEK BASIN)

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FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3]
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Camp Branch							
Reach 1	0287,0289	-3.75	-1.15	+3.10	040	A8	Varies
Second Creek							
Reach 1	0283,0284 0291	-2.16	-0.69	+2.16	020	A4	Varies
Reach 2	0284	-6.72	-3.26	+1.34	065	A13	560.4
Black Creek (Village Creek Basin)							
Reach 1	0291,0292	-3.19	-1.00	+2.59	030	A6	Varies
Reach 2	0292	-1.85	-0.54	+1.09	020	A4	Varies
Valley Creek							
Reach 1	0425,0428, 0429,0436, 0437,0439	-6.80	-2.05	+4.97	070	A14	Varies
Reach 2	0439,0443, 0444,0461, 0463,0581	-4.65	-1.43	+3.62	045	A9	Varies
Reach 3	0458,0459, 0461,0462,0466	-2.72	-0.80	+1.63	025	A5	Varies

[1]FLOOD INSURANCE RATE MAP PANEL
[2]WEIGHTED AVERAGE
[3]ROUNDED TO NEAREST FOOT-SEE MAP

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL

(UNINCORPORATED AREAS)

124 FLOOD INSURANCE ZONE DATA

CAMP BRANCH-SECOND CREEK-BLACK CREEK (VILLAGE CREEK BASIN)-VALLEY CREEK

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3]
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Fivemile Creek (Valley Creek Basin)							
Reach 1	0444,0582						
	0584	-2.11	-0.68	+1.92	020	A4	Varies
Reach 2	0584	-1.05	-0.35	+0.34	010	A2	Varies
Unnamed Creek 38							
Reach 1	0463,0601						
	0602	-0.95	-0.27	+0.76	010	A2	Varies
Opossum Creek							
Reach 1	0452,0453						
	0454,0456						
	0461,0462	-1.90	-0.58	+1.26	020	A4	Varies
Reach 2	0456	-0.86	-0.23	+0.42	010	A2	Varies
Unnamed Creek 40							
Reach 1	0461	-0.65	-0.20	+0.60	005	A1	Varies

[1]FLOOD INSURANCE RATE MAP PANEL
[2]WEIGHTED AVERAGE
[3]ROUNDED TO NEAREST FOOT-SEE MAP

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TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

FIVEMILE CREEK (VALLEY CREEK BASIN)-UNNAMED CREEK 38-OPOSSUM CREEK-UNNAMED CREEK 40

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3]
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Unnamed Creek 41							
Reach 1	0462	-0.96	-0.28	+0.69	010	A2	Varies
Unnamed Creek 45							
Reach 1	0458,0459	-1.21	-0.29	+0.49	010	A2	Varies
Shades Creek							
Reach 1	0592,0594, 0611,0612, 0613,0660	-5.68	-1.54	+3.68	055	A11	Varies
Reach 2	0603,0604, 0612	-3.61	-1.16	+3.31	035	A7	Varies
Reach 3	0333,0341, 0602,0604, 0606,0608.	-2.12	-0.55	+1.36	020	A4	Varies
Reach 4	0606,0607	-4.21	-1.02	+2.02	040	A8	Varies
Reach 5	0478,0479, 0486,0487, 0488,0607, 0626	-5.87	-1.54	+3.84	060	A12	Varies
Reach 6	0479,0482, 0483	-4.74	-1.17	+2.76	045	A9	Varies
Reach 7	0333,0337	-2.14	-0.59	+1.25	020	A4	Varies

[1]FLOOD INSURANCE RATE MAP PANEL
[2]WEIGHTED AVERAGE
[3]ROUNDED TO NEAREST FOOT-SEE MAP

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL

(UNINCORPORATED AREAS)

126 FLOOD INSURANCE ZONE DATA

UNNAMED CREEK 41 - UNNAMED CREEK 45 - SHADES CREEK

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FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3]
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Little Shades Creek (Shades Creek Basin)							
Reach 1	0466,0467, 0468,0469, 0486,0606	-1.39	-0.41	+1.09	015	A3	Varies
Cahaba River							
Reach 1	0492,0493, 0494,0502, 0503,0504, 0511,0512, 0627,0628, 0629,0631, 0632	-9.44	-2.86	+6.60	095	A19	Varies
Reach 2	0342,0343, 0344,0353, 0354,0356, 0358,0361, 0362,0501, 0502,0506	-8.31	-2.47	+6.15	085	A17	Varies

[1]FLOOD INSURANCE RATE MAP PANEL
[2]WEIGHTED AVERAGE
[3]ROUNDED TO NEAREST FOOT-SEE MAP

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

LITTLE SHADES CREEK (SHADES CREEK BASIN)-
CAHABA RIVER

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FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3]
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Cahaba River (cont.)							
Reach 3	0213,0214, 0351,0352, 0356	-4.49	-1.39	+3.81	045	A9	Varies
Reach 4	0204,0206, 0208,0212, 0213,0214	-2.80	-0.70	+1.70	025	A5	Varies
Patton Creek							
Reach 1	0487,0489	-2.60	-0.83	+2.36	025	A5	Varies
Little Shades Creek (Cahaba River Basin)							
Reach 1	0484,0491 0492	-2.08	-0.60	+1.84	020	A4	Varies
Reach 2	0484,0503	-3.41	-1.53	+4.10	035	A7	Varies

[1]FLOOD INSURANCE RATE MAP PANEL
[2]WEIGHTED AVERAGE
[3]ROUNDED TO NEAREST FOOT-SEE MAP

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

CAHABA RIVER-PATTON CREEK
LITTLE SHADES CREEK (CAHABA RIVER BASIN)

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3]
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Little Cahaba River							
Reach 1	0363,0364 0366,0506 0507,0508 0509,0526	-2.05	-0.60	+1.55	020	A4	Varies
Dry Creek (Cahaba River Basin)							
Reach 1	0366,0367	-2.08	-0.60	+1.50	020	A4	Varies
Stinking Creek							
Reach 1	0334,0353	-2.02	-0.60	+1.61	020	A4	Varies
Pinchgut Creek 1							
Reach 1	0351	-3.35	-0.88	+4.42	035	A7	Varies
Reach 2	0332,0351	-1.16	-0.32	+0.81	010	A2	Varies

[1]FLOOD INSURANCE RATE MAP PANEL
[2]WEIGHTED AVERAGE
[3]ROUNDED TO NEAREST FOOT-SEE MAP

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TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

LITTLE CAHABA RIVER-DRY CREEK (CAHABA RIVER BASIN)-STINKING CREEK-PINCHGUT CREEK 1

that indicated by this study. Subsequent contacts were made with the USGS. They agreed that the return frequency interval (probability of occurrence) published in their report should be decreased because of the urban nature of the upper regions of the Fivemile Creek basin.

A flood frequency analysis was performed by Betz-Coverse-Murdoch-Inc. for 21 years of flood data at the USGS stream gage on Fivemile Creek at Ketona (02457000) located 0.2 mile upstream from the western boundary of the City of Birmingham. Flow rates computed as part of the present study are greater than those indicated by the analysis of the Ketona gage. A representative of the USGS indicated that the flow rates computed by BCM should be more reliable than those based solely on a statistical analysis of this gage (Reference 7). The flows calculated by BCM represent current watershed conditions, while the gage data were recorded during a period of changing land use conditions in the watershed. Futhermore, 21 years of record is not considered a satisfactory length of time to base estimates of high magnitude low frequency flood events.

The U.S. Corps of Engineers (Mobile District) is conducting a flood study for approximately 20 miles of the main stem of Village Creek extending from West Boulevard in Birmingham downstream to Bayview Lake.

The hydrology and hydraulics of this Corps Study received from the Corps of Engineers Mobile District on March 7, 1977, and updated per phone communication through December 1978 were examined and found appropriate to utilize in this study. The hydraulics were extended to provide water-surface profiles approximately 1/2 mile upstream of West Boulevard and 2-1/2 miles downstream in Bay View Lake using the HEC II computer program.

The methodology previously described in Section 3.0 was utilized for hydrologic and hydraulic predictions for the tributaries to Village Creek which were studied in detail.

The USGS prepared a flood report on Valley Creek after the heavy rains of March 19-20, 1970 (Reference 5). Their hydrology was based on a rural land use for the entire basin. As a result of the rural land approach, the return frequency of a given storm is less frequent than that indicated by this study. This is most significant in the upper reaches of Valley Creek basin, which are highly urbanized. Subsequent contacts were made with the USGS. They agree that the return frequency interval should be decreased (probability of occurrence should be increased) because of the increasing urban nature of the upper regions of the Valley basin (Reference 7).

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In the lower portion of Valley Creek basin, a flood frequency analysis was performed by Betz-Converse-Murdoch-Inc. for 24 years of record of flood data (1954 through 1977 at the Oak Grove Gaging Station). There was good correlation between the flood frequency analysis of gage data and the results of the hydrologic analysis for this study.

The Mobile District of the U.S. Army Corps of Engineers has prepared a "Special Flood Hazard Information Report on Shades Creek in the Vicinity of Birmingham, Alabama," October 1974 (Reference 4). The information for that report was prepared from a survey study on Shades Creek. The data used were based on information available on existing conditions through June 1973

The study data in this Flood Insurance Report were based on more recent data; aerial photographs - 1974 and field data 1977.

The United States Geological Survey in cooperation with the Geological Survey of Alabama has prepared a study entitled "Urbanization and Flooding in Shades Creek Basin, Jefferson County, Alabama," December 1976 (Reference 8).

The flood levels and limits of the report are much higher and larger than those limits presented in this Flood Insurance Study because of the high degree of future urbanization projected in the USGS report.

The urbanization in this Flood Insurance Report reflect current conditions and very little projected urbanization.

7.0 LOCATION OF DATA

Survey, hydrologic, hydraulic, and other pertinent data used in this study can be obtained by contacting the Insurance and Mitigation Division, Federal Emergency Management Agency, 1375 Peachtree St., N.E., Atlanta, Georgia, 30309.

8.0 BIBLIOGRAPHY AND REFERENCES

1. Hains, C.F., Floods in Alabama, Magnitude and Frequency, Based on Data through September 30, 1971, U.S. Geological Survey and Alabama Highway Department, 1973.

2 Sauer, V.B., An Approach to Estimating Flood Frequency for Urban Areas in Oklahoma, U.S. Geological Survey Water Resources Investigations 23-74, July 1974.

3. Betz-Converse-Murdoch-Inc. - A Regression Equation Methodology, Planning Methodologies for Analysis of Land Use/Water Quality Relationship prepared for U.S. EPA October 1976.

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4. U.S. Army Corps of Engineers Special Flood Hazard Information Report on Shades Creek in the Vicinity of Birmingham, Alabama, October 1974.

5. Causseaux, K.W., Flood of March 19-20, 1970, Metropolitan Birmingham and Jefferson County, Alabama, U.S. Geological Survey, Water Resources Division, USGS Quad Sheets, 1970.

6. U.S. Army Corps of Engineers, Flood Plain Information Metropolitan Birmingham, Alabama - Fivemile Creek, June 1969.

7. Oral Communication, Mr. Roy Bingham, USGS Hydrologist, Tuscaloosa, Alabama. December 19. 1978

8. Knight, A.L., Urbanization and Flooding in Shades Creek Basin, Jefferson County, Alabama, December 1976.

Birmingham Regional Planning Commission, Land Suitability Plan, Jefferson County, Alabama, June 1975.

U.S. Water Resources Council. Guidelines for Determining Flood Flow Frequency, Bulletin No. 17, 1976.

Chow, V.T. Open-Channel Hydraulics, McGraw-Hill, 1959.

U.S. Geological Survey. Hydrologic Unit Map -1974, State of Alabama, Scale 1:500,000.

U.S. Geological Survey. Quadrangle maps, Revised 1970.

U.S. Army Corps of Engineers, Generalized Computer Program, HEC-2, Water-Surface Profiles, November 1976.

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9.0 REVISIONS DESCRIPTION (Revised: July 17, 1986)

9.1 Purpose

The purpose of this Flood Insurance Study Revisions Description is to incorporate new and revised data into this currently effective Flood Insurance Study for the Unincorporated Areas of Jefferson County, Alabama. This Revisions Description is intended to provide updated information that aids in the administration of the National Flood Insurance Act of 1968 and the Flood Disaster Protection Act of 1973.

9.2 Acknowledgments

The hydraulic analysis for this Revisions Description was performed by Mr. David Hains of C.F. Hains, Hydrologist, Inc., of Northport, Alabama. The Federal Emergency Management Agency (FEMA) reviewed and accepted these data for purposes of this revision.

9.3 Scope

The restudy of Shades Creek includes the reach from about 1 mile upstream of Greensprings Highway to upstream of Old U.S. Highway 280.

9.4 Hydrologic and Hydraulic Analyses

Original hydrological findings of the original Flood Insurance Study were not revised. This restudy utilized the same flow rates as in the original study.

Availability of new surveyed cross-section information required a comparison with sections used in the original Flood Insurance Study. The results of this comparison revealed a large difference in geometry and datum of sections in the reach. Therefore, the original HEC-2 model had to be revised to reflect the new surveyed cross sections (Reference 1).

Flood profiles that include the previously mentioned reach for Shades Creek were lowered as a result of the new analysis. Flooding was delineated on the Flood Insurance Rate Map and Flood Boundary and Floodway Map using the best available topographic information and the newly computed water-surface elevations.

9.5 Floodways

Floodway computations for Shades Creek were revised to show the results of the new HEC-2 model (Reference 1). The floodways were computed on the basis of equal conveyance reduction from each side of the floodplain. The results of these computations were tabulated at selected cross sections for each stream segment for which a floodway was revised and are presented in Table 2, Floodway Data.

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9.6 Other Studies

The Flood Insurance Studies for the Cities of Homewood and Mountain Brook do not agree with this study with respect to the reach of Shades Creek that was restudied (References 2 and 3). The findings of this study supersede the results of the above-mentioned studies.

9.7 Location of Data

Information concerning the pertinent data used in the preparation of this study can be obtained by contacting the Natural and Technological Hazards Division, FEMA, 1371 Peachtree Street, NE., Suite 736, Atlanta, Georgia 30309.

9.8 References and Bibliography

1. U.S. Army Corps of Engineers, Hydrologic Engineering Center, HEC-2 Water-Surface Profiles, Generalized Computer Program, Davis, California, April 1984.

2. Federal Emergency Management Agency, Federal Insurance Administration, Flood Insurance Study, City of Homewood, Jefferson County, Alabama, October 1980.

3. ----------, Federal Insurance Administration, Flood Insurance Study, City of Mountain Brook, Jefferson County, Alabama, June 1980.

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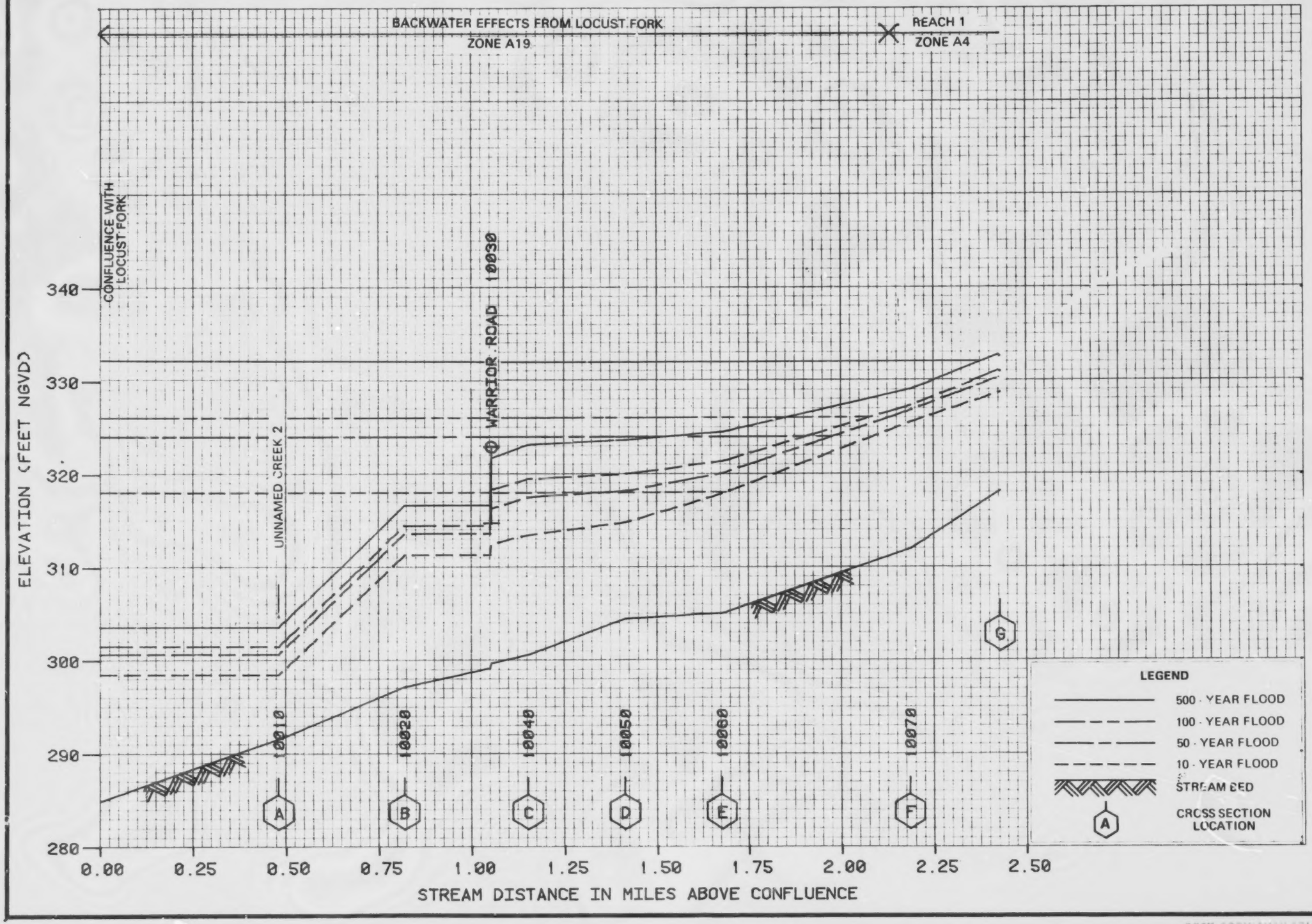

FLOOD PROFILES

WARD MILL CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

01P

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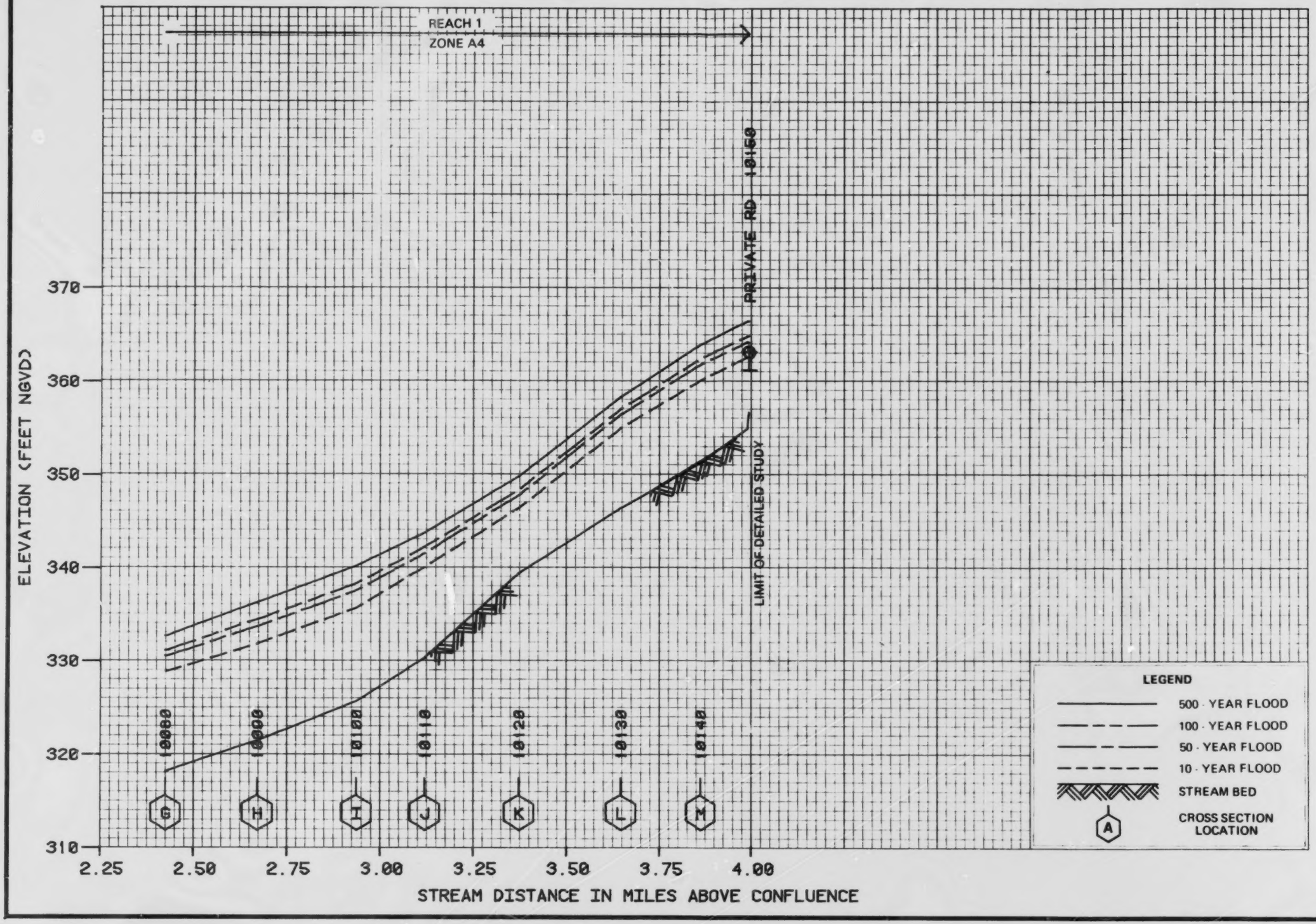

FLOOD PROFILES

WARD MILL CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL

(UNINCORPORATED AREAS)

02P

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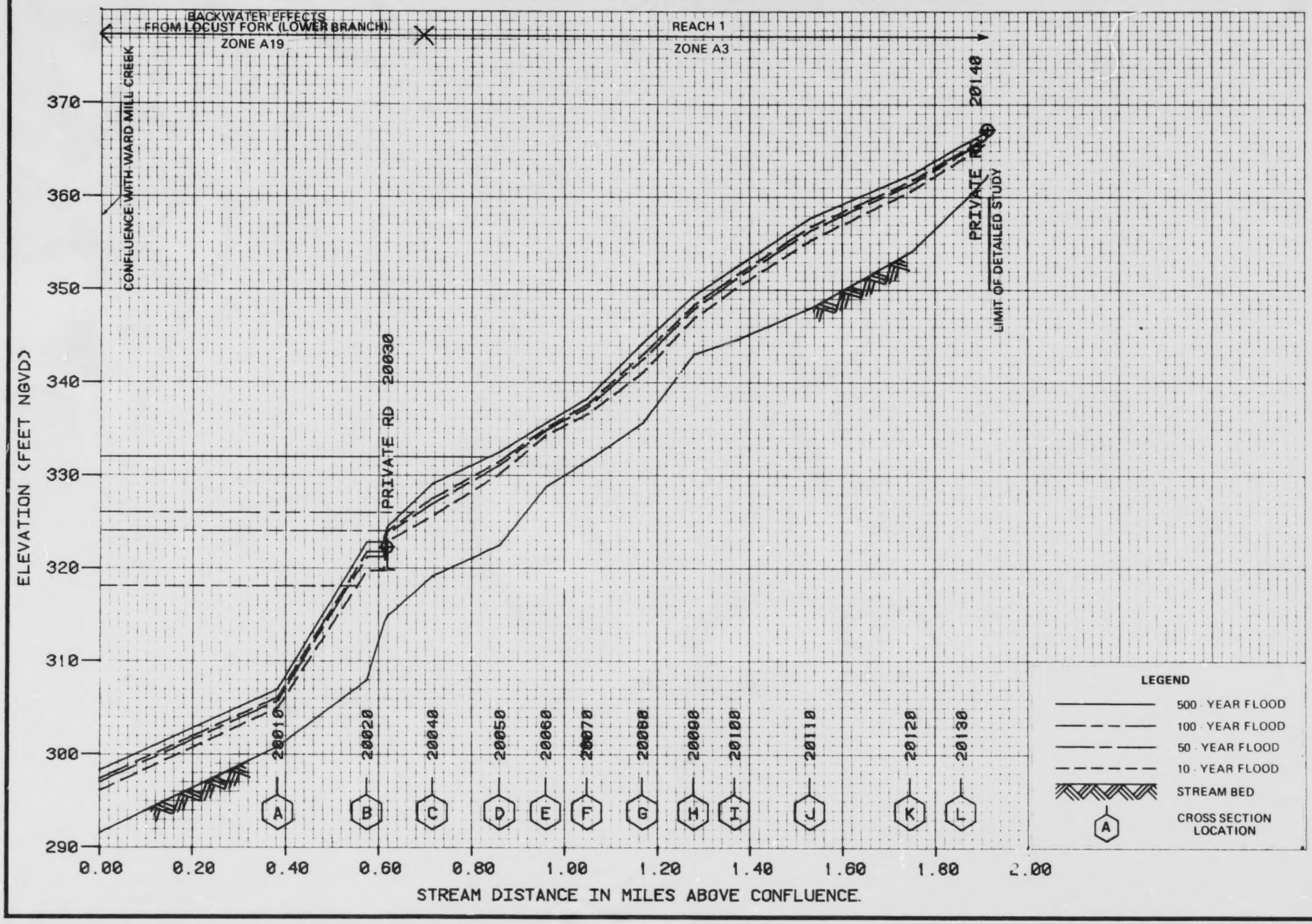

FLOOD PROFILES

UNNAMED CREEK 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL

(UNINCORPORATED AREAS)

03P

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FLOOD PROFILES

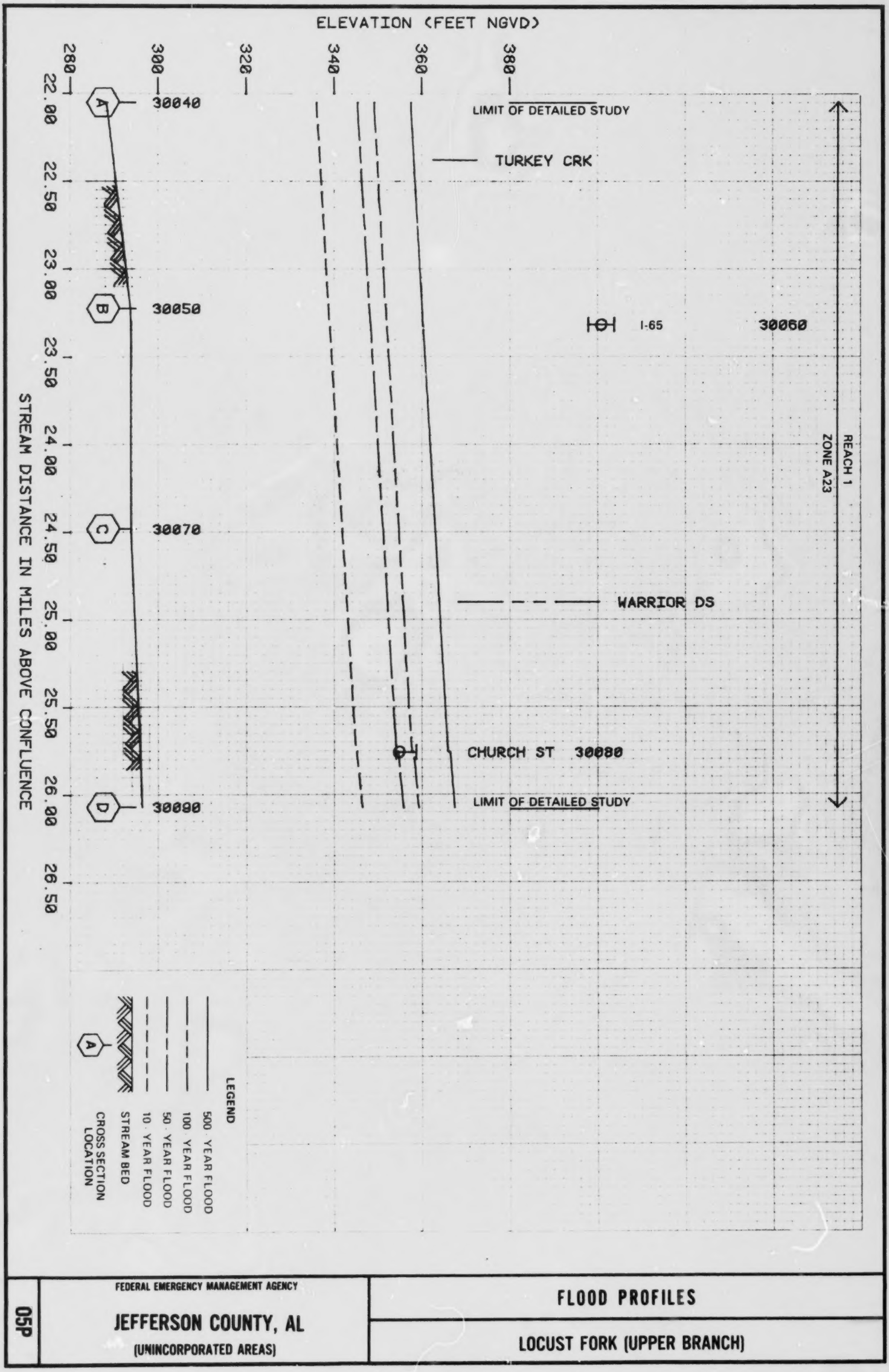
LOCUST FORK (LOWER BRANCH)

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL

(UNINCORPORATED AREAS)

04P



FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL

(UNINCORPORATED AREAS)

FLOOD PROFILES

LOCUST FORK (UPPER BRANCH)

05P

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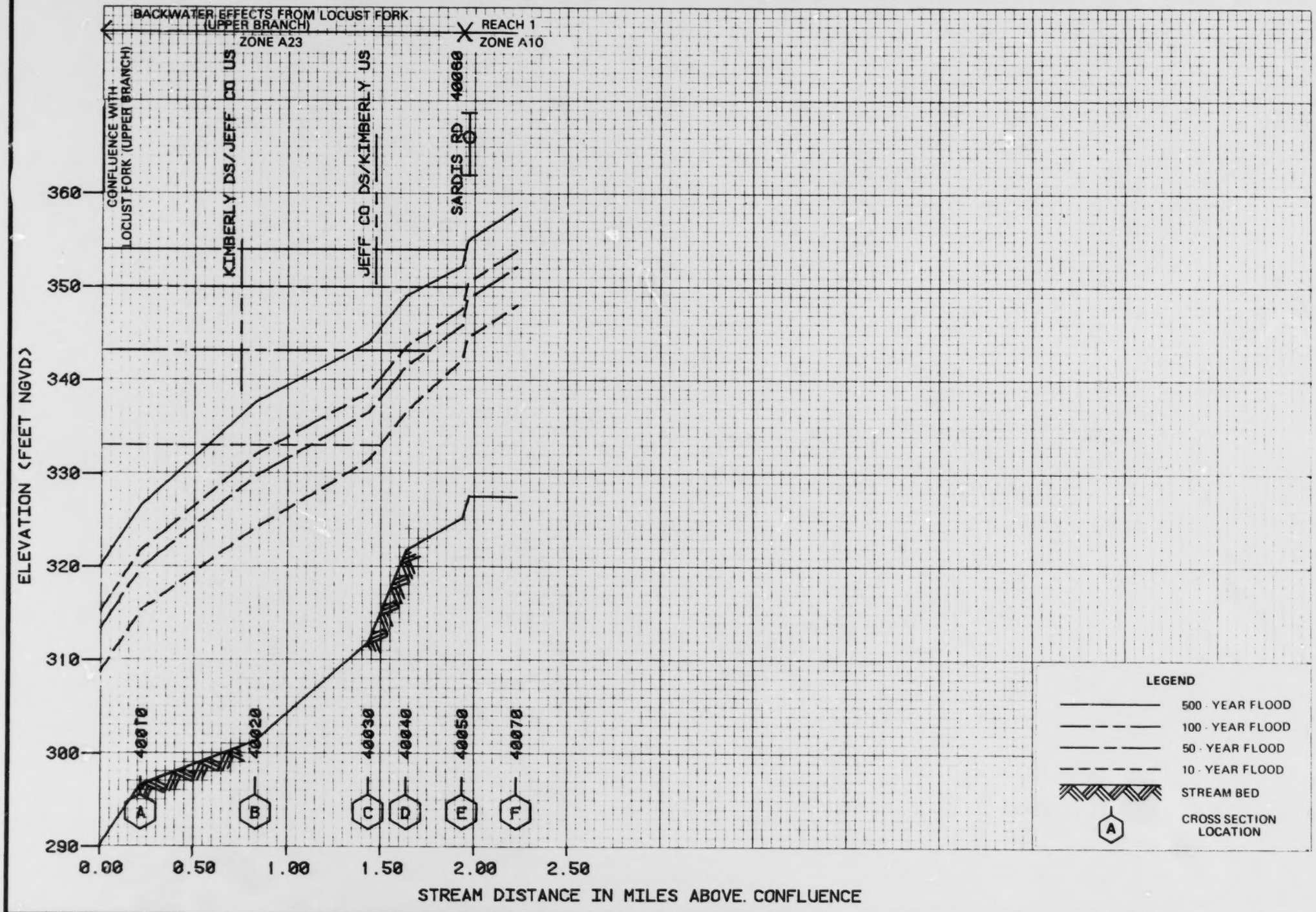

FLOOD PROFILES

TURKEY CREEK (LOWER BRANCH)

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

06P

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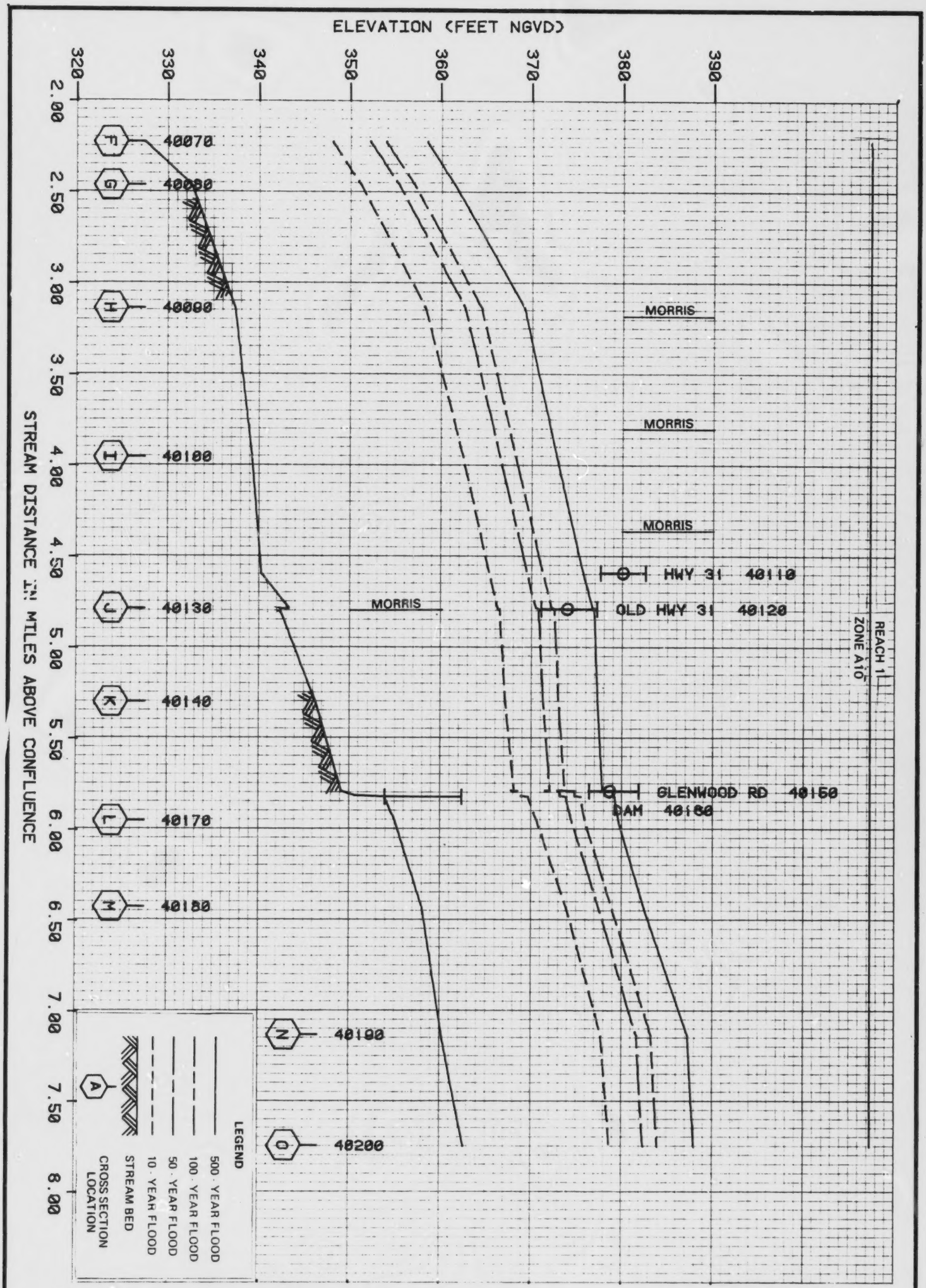


07P

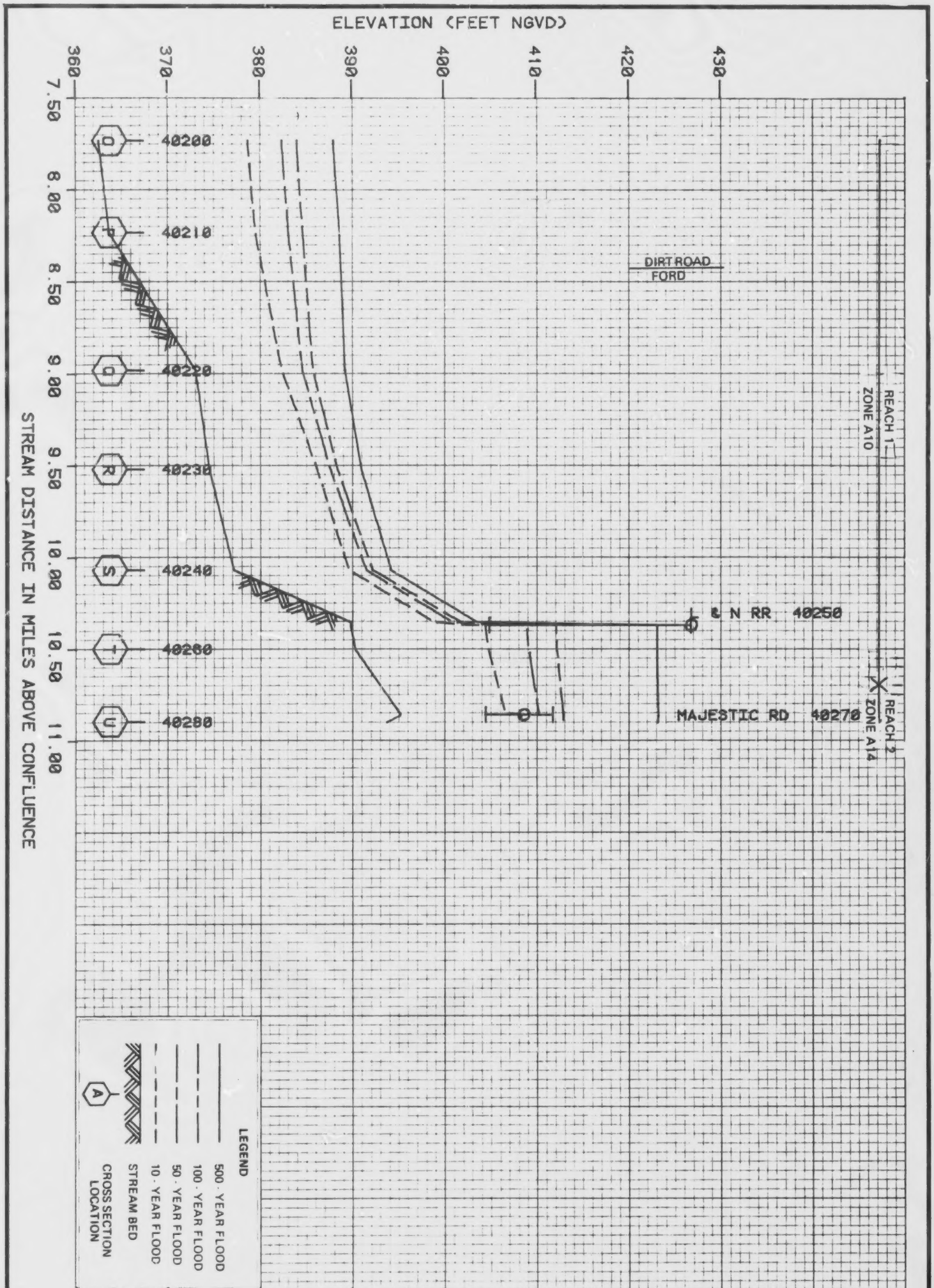
FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL

(UNINCORPORATED AREAS)

FLOOD PROFILES

TURKEY CREEK (LOWER BRANCH)



08P	FEDERAL EMERGENCY MANAGEMENT AGENCY **JEFFERSON COUNTY, AL** (UNINCORPORATED AREAS)	**FLOOD PROFILES** **TURKEY CREEK (LOWER BRANCH)**

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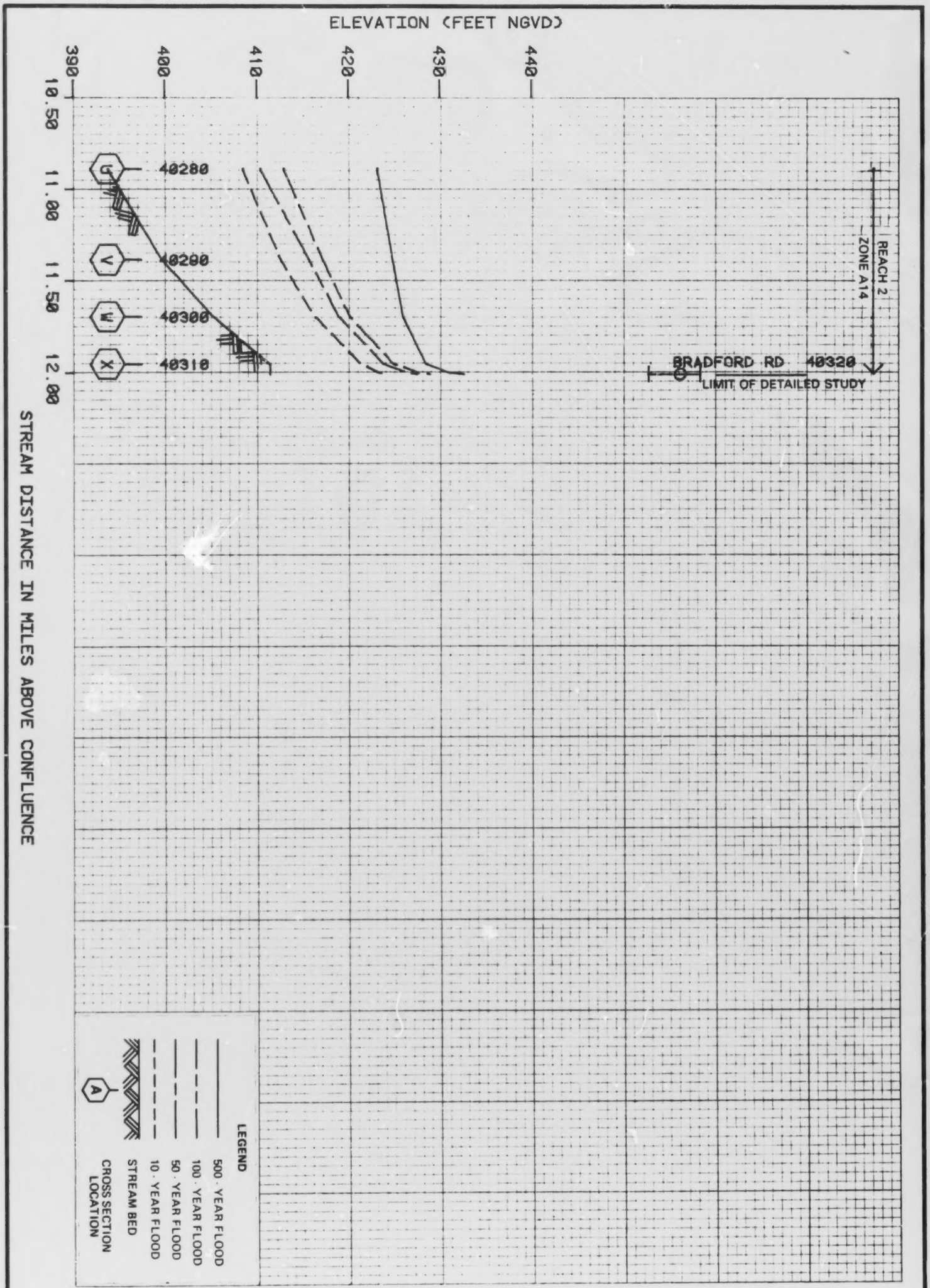

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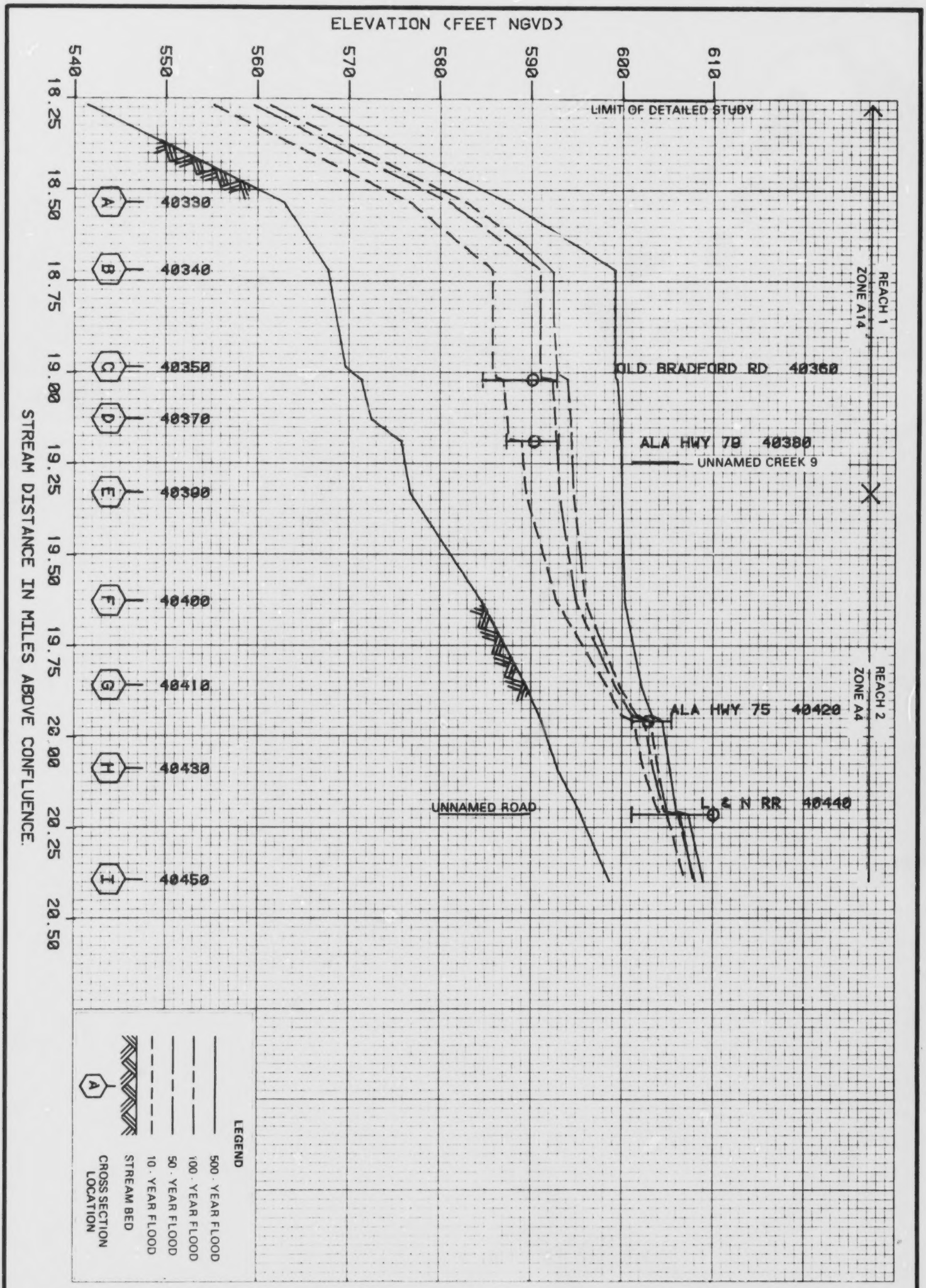
09P	FEDERAL EMERGENCY MANAGEMENT AGENCY **JEFFERSON COUNTY, AL** (UNINCORPORATED AREAS)	**FLOOD PROFILES** **TURKEY CREEK (LOWER BRANCH)**



10P	FEDERAL EMERGENCY MANAGEMENT AGENCY Federal Insurance Administration **JEFFERSON COUNTY, AL** (UNINCORPORATED AREAS)	**FLOOD PROFILES** **TURKEY CREEK (UPPER BRANCH)**

REACH 2
ZONE A4

ELEVATION (FEET NGVD)

670
660
650
640
630
620
610
600
590

CONFLUENCE OF DRY CREEK

PRIVATE DR 40530

PRIVATE DR 40520

PINSON-CLAY RD 40510

10450 10460 10470 10480 10490 10510 10530 10550 10560 10570 10580

I J K L M N O P Q R S

20.25 20.50 20.75 21.00 21.25 21.50 21.75

STREAM DISTANCE IN MILES ABOVE CONFLUENCE.

LEGEND

- 500 - YEAR FLOOD
- 100 - YEAR FLOOD
- 50 - YEAR FLOOD
- 10 - YEAR FLOOD
- STREAM BED
- A — CROSS SECTION LOCATION

FLOOD PROFILES

TURKEY CREEK (UPPER BRANCH)

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

11P

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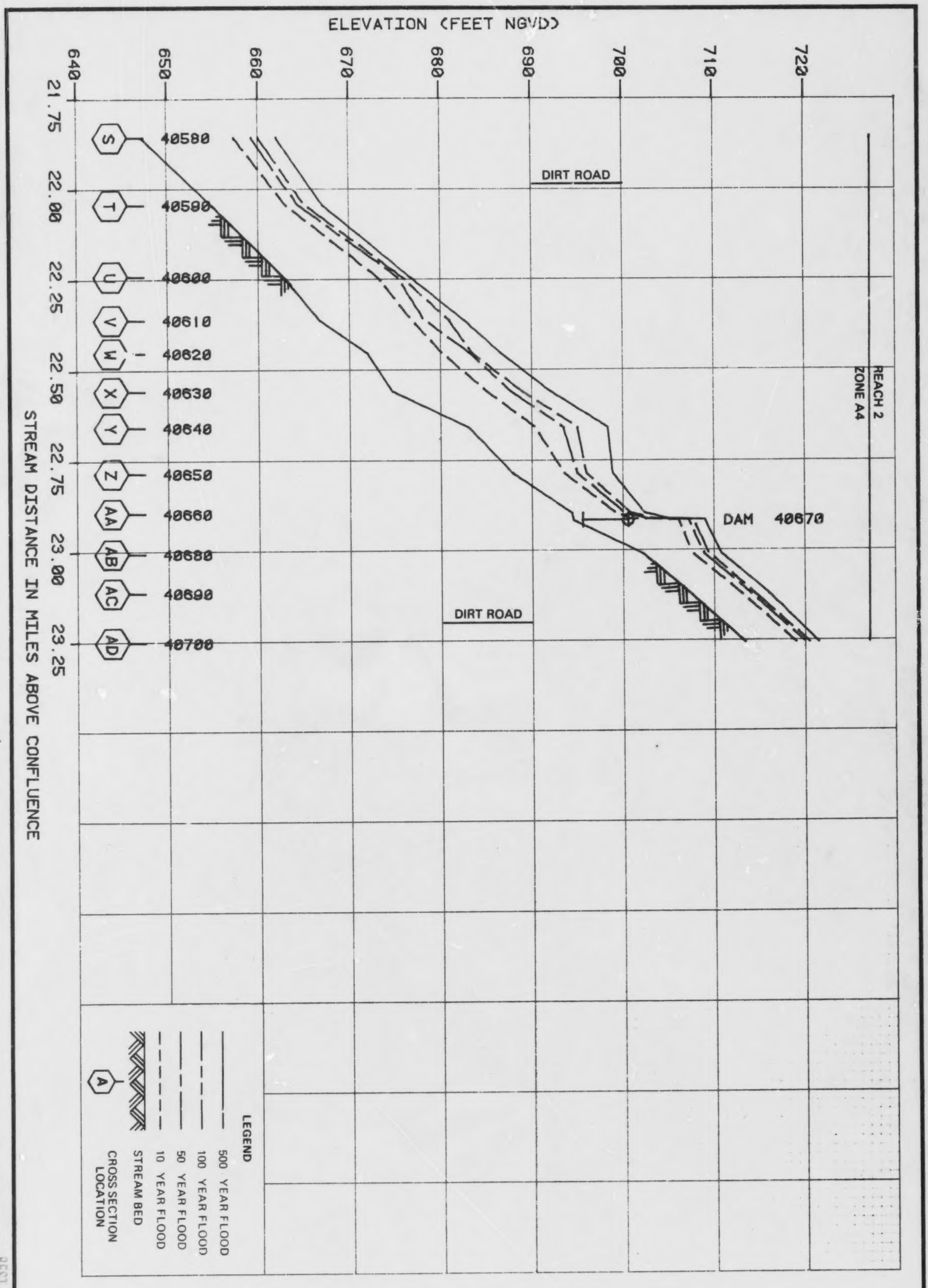

12P	FEDERAL EMERGENCY MANAGEMENT AGENCY JEFFERSON COUNTY, AL (UNINCORPORATED AREAS)	FLOOD PROFILES TURKEY CREEK (UPPER BRANCH)

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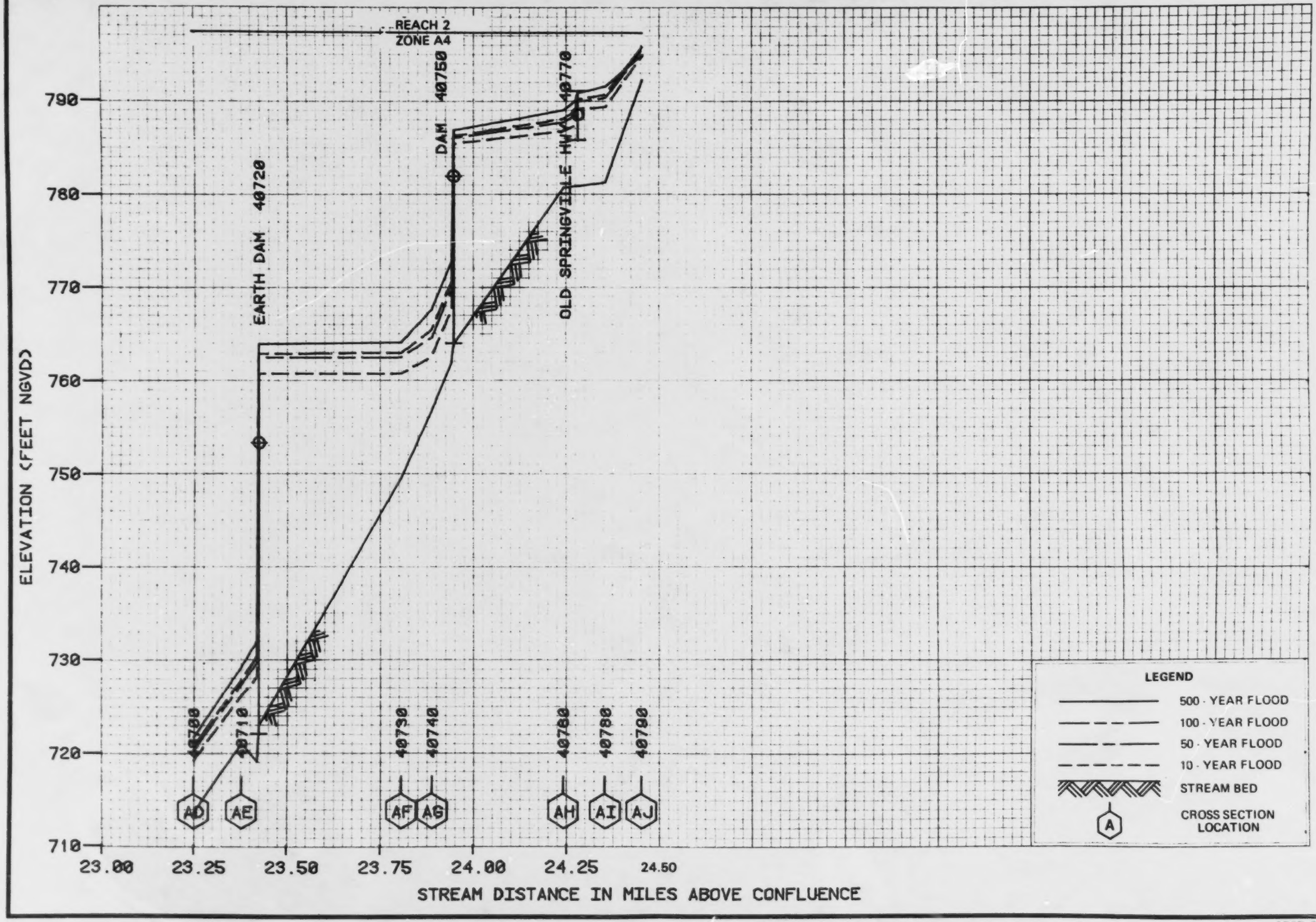

FLOOD PROFILES

TURKEY CREEK (UPPER BRANCH)

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

13P

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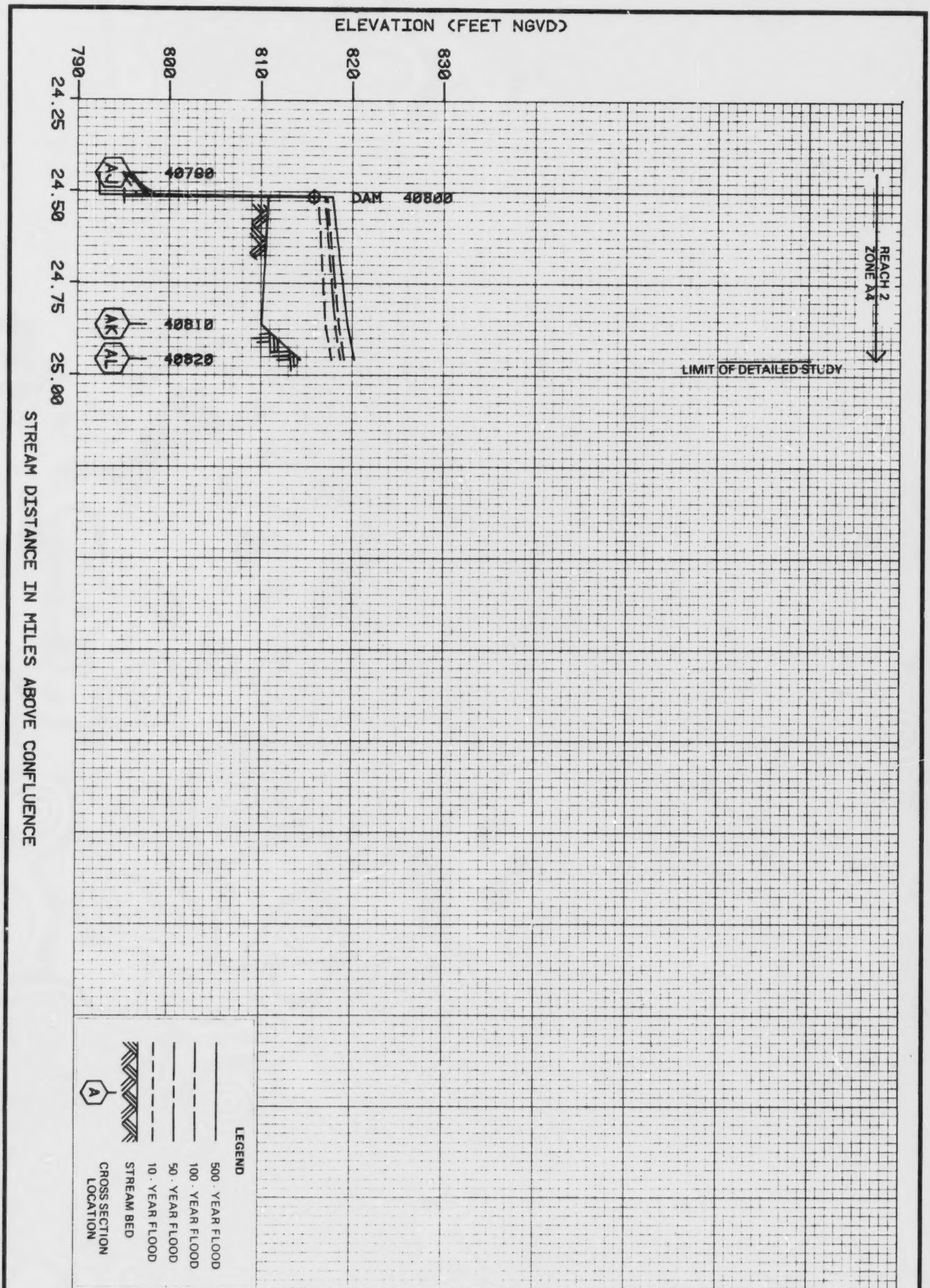

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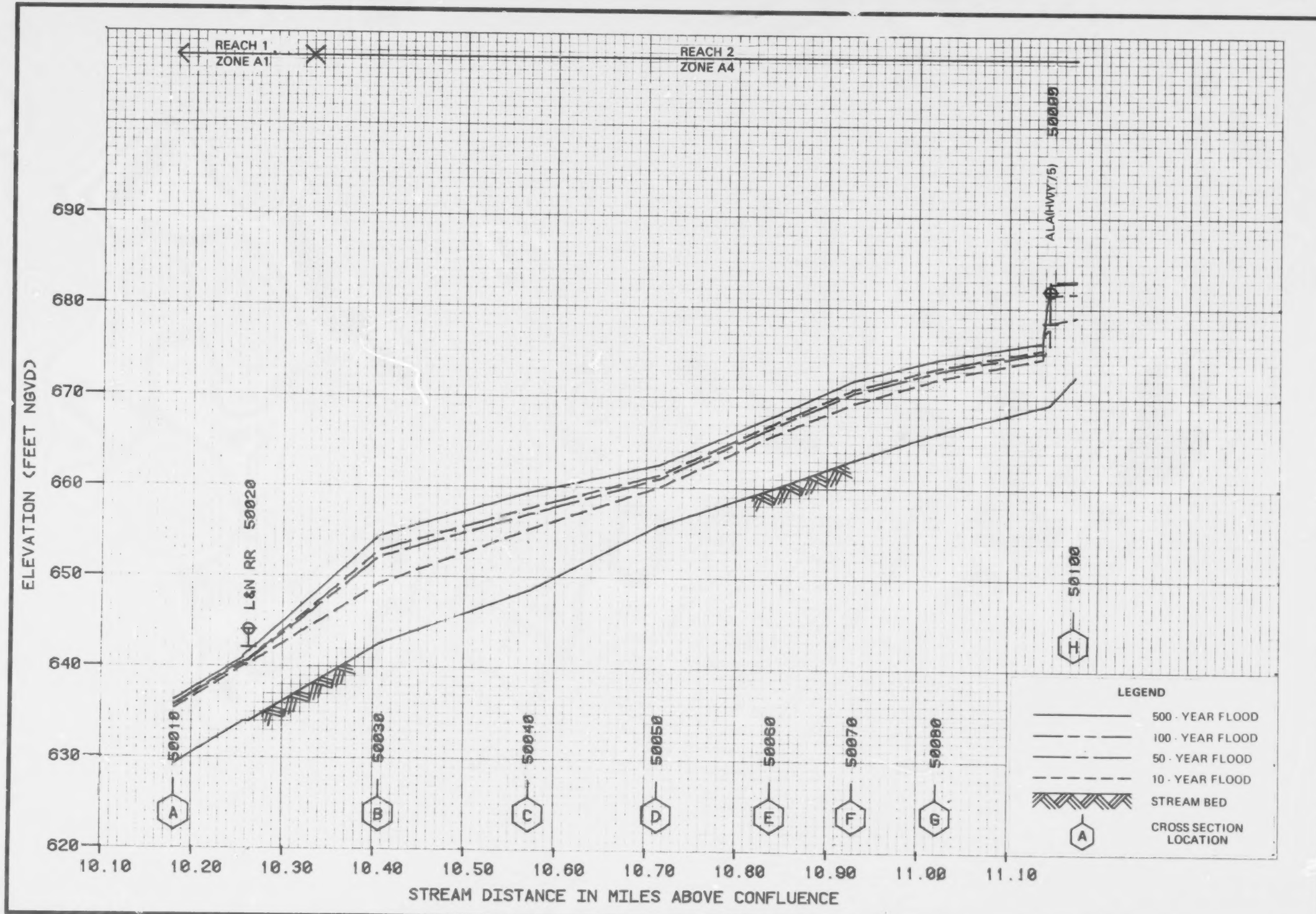
14P	FEDERAL EMERGENCY MANAGEMENT AGENCY JEFFERSON COUNTY, AL (UNINCORPORATED AREAS)	FLOOD PROFILES TURKEY CREEK (UPPER BRANCH)



FLOOD PROFILES

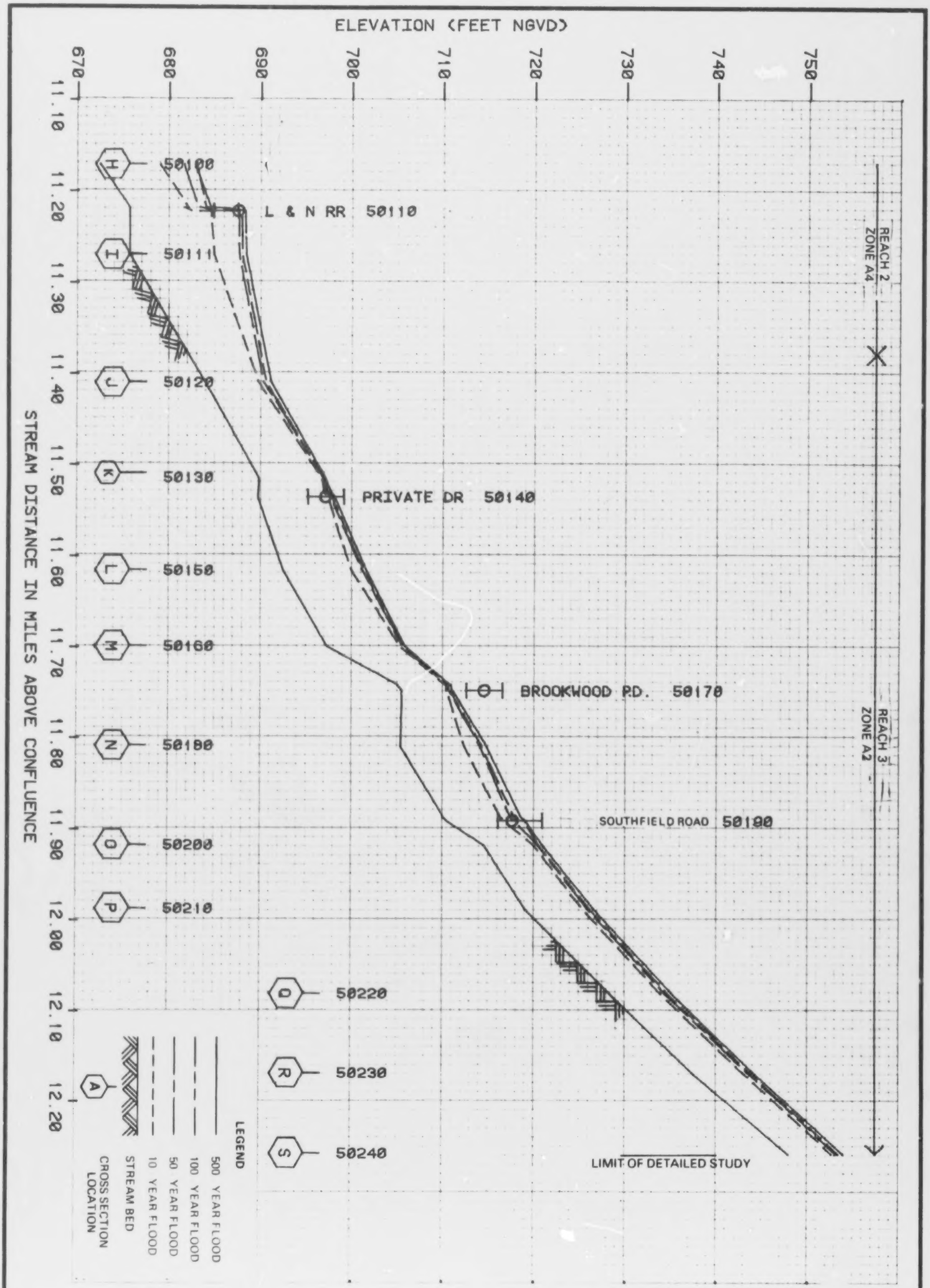
SELF CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL

(UNINCORPORATED AREAS)

15P



16P

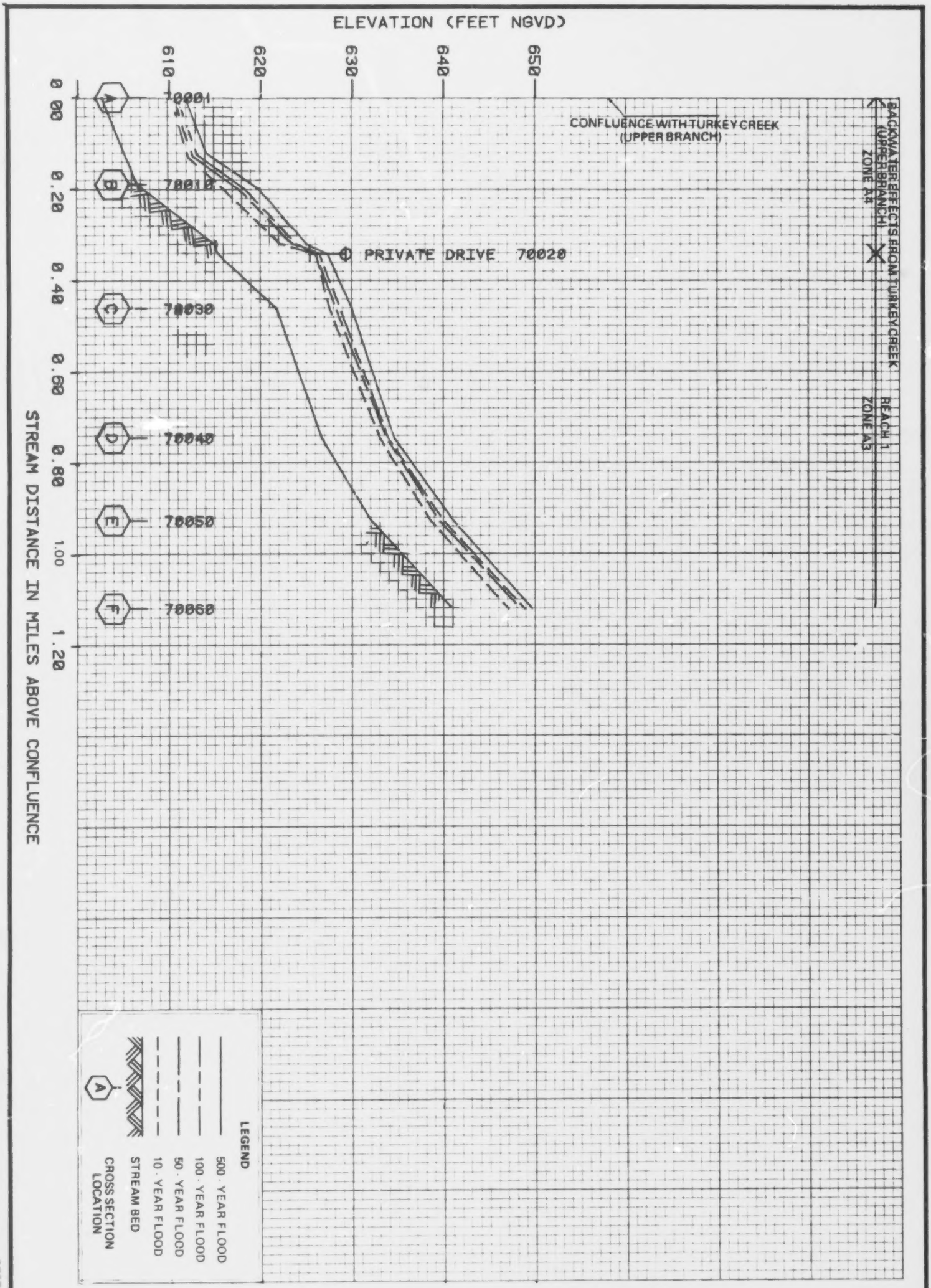
FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL

(UNINCORPORATED AREAS)

FLOOD PROFILES

SELF CREEK



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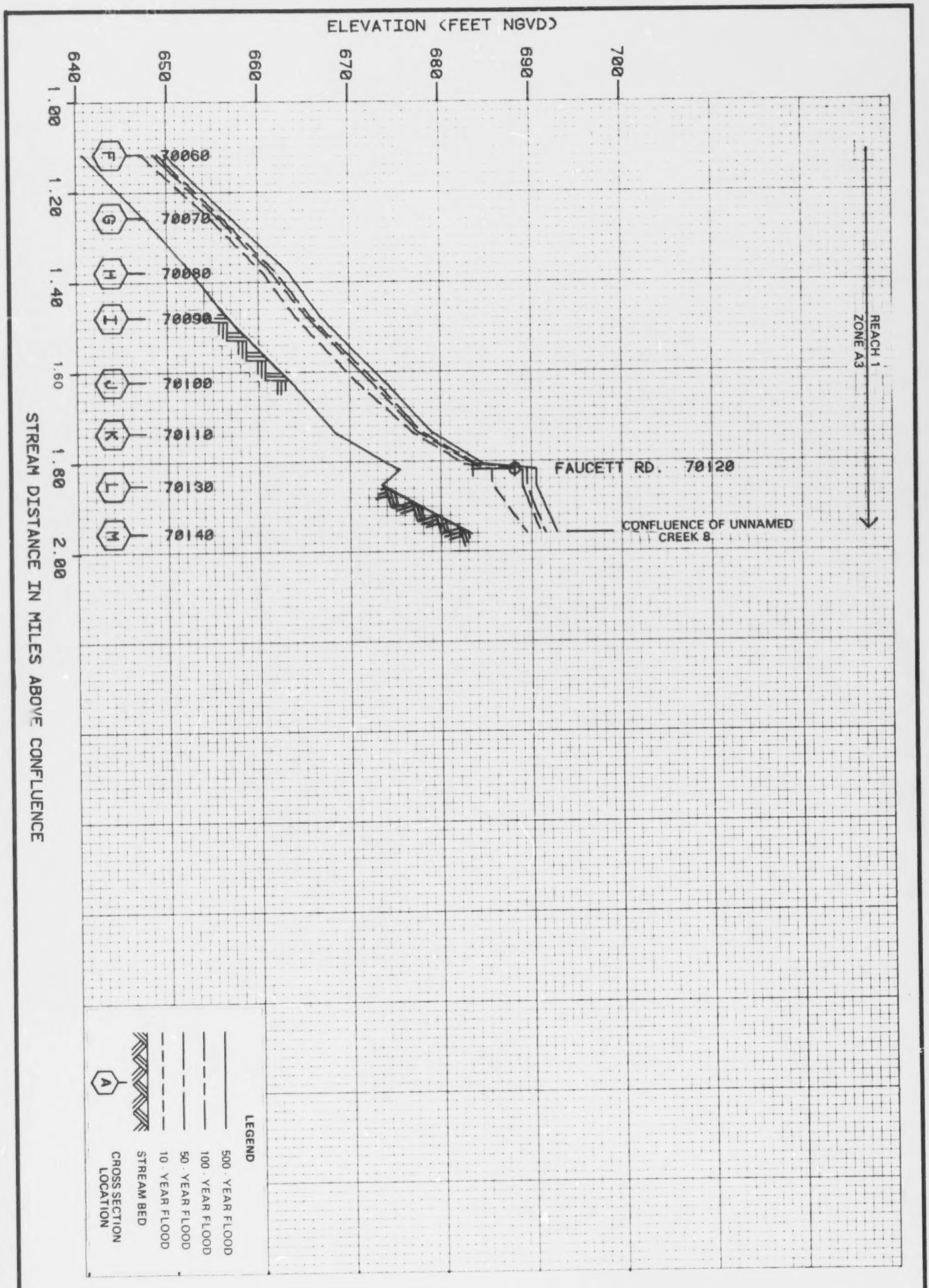
FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL

(UNINCORPORATED AREAS)

FLOOD PROFILES

DRY CREEK (WARRIOR RIVER BASIN)



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18P

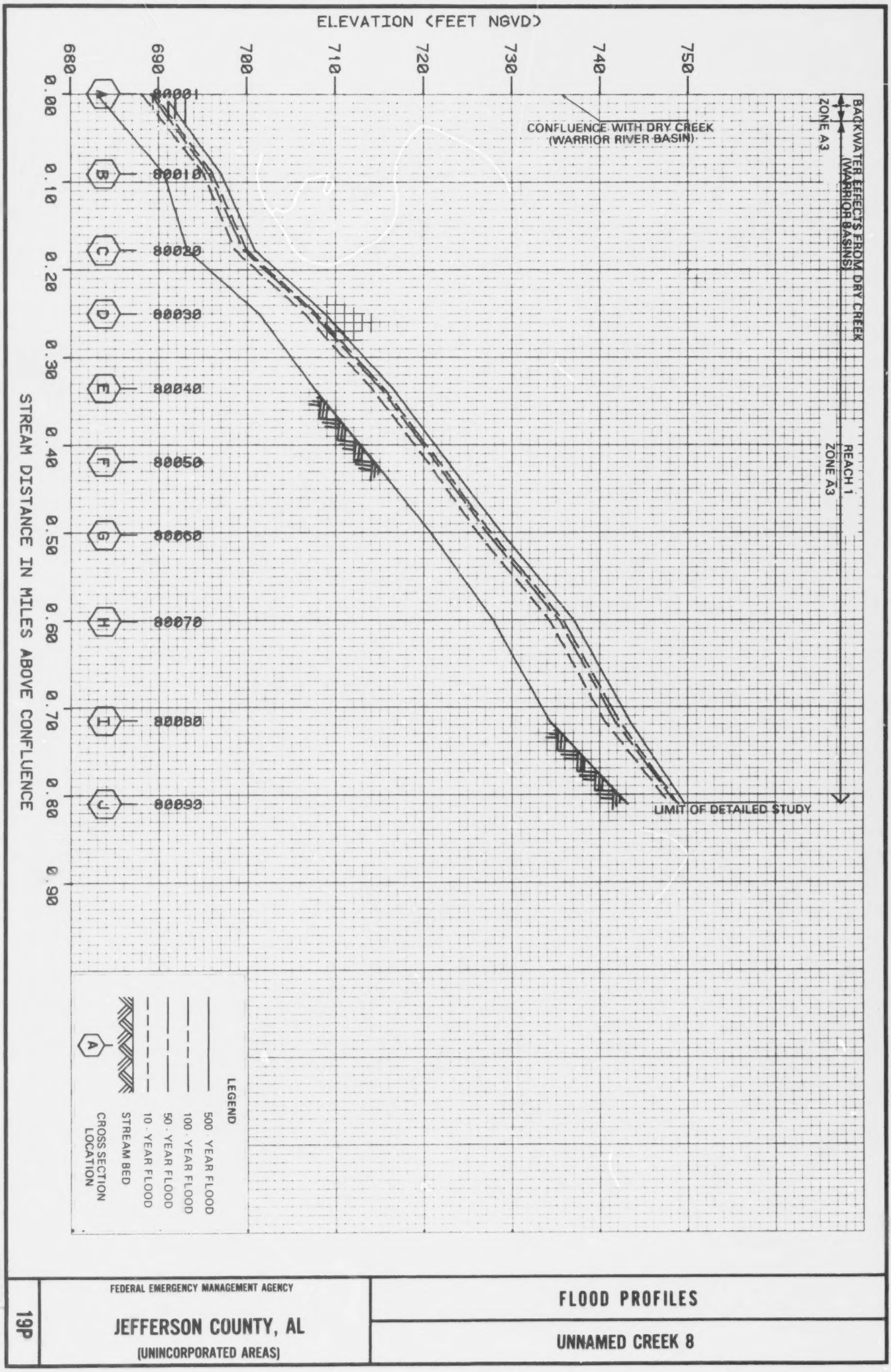
FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL

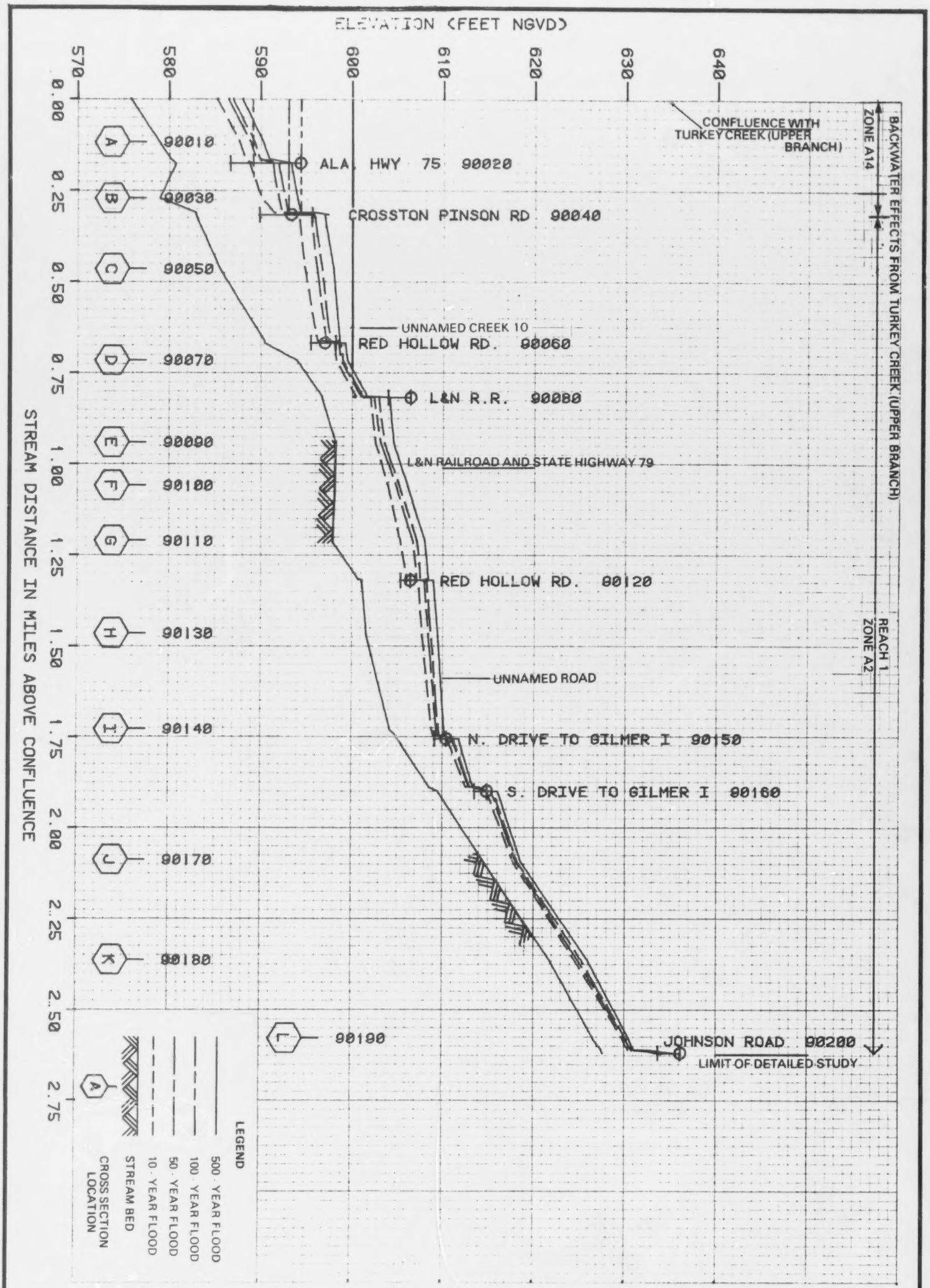
(UNINCORPORATED AREAS)

FLOOD PROFILES

DRY CREEK (WARRIOR RIVER BASIN)



19P	FEDERAL EMERGENCY MANAGEMENT AGENCY **JEFFERSON COUNTY, AL** (UNINCORPORATED AREAS)	**FLOOD PROFILES** **UNNAMED CREEK 8**



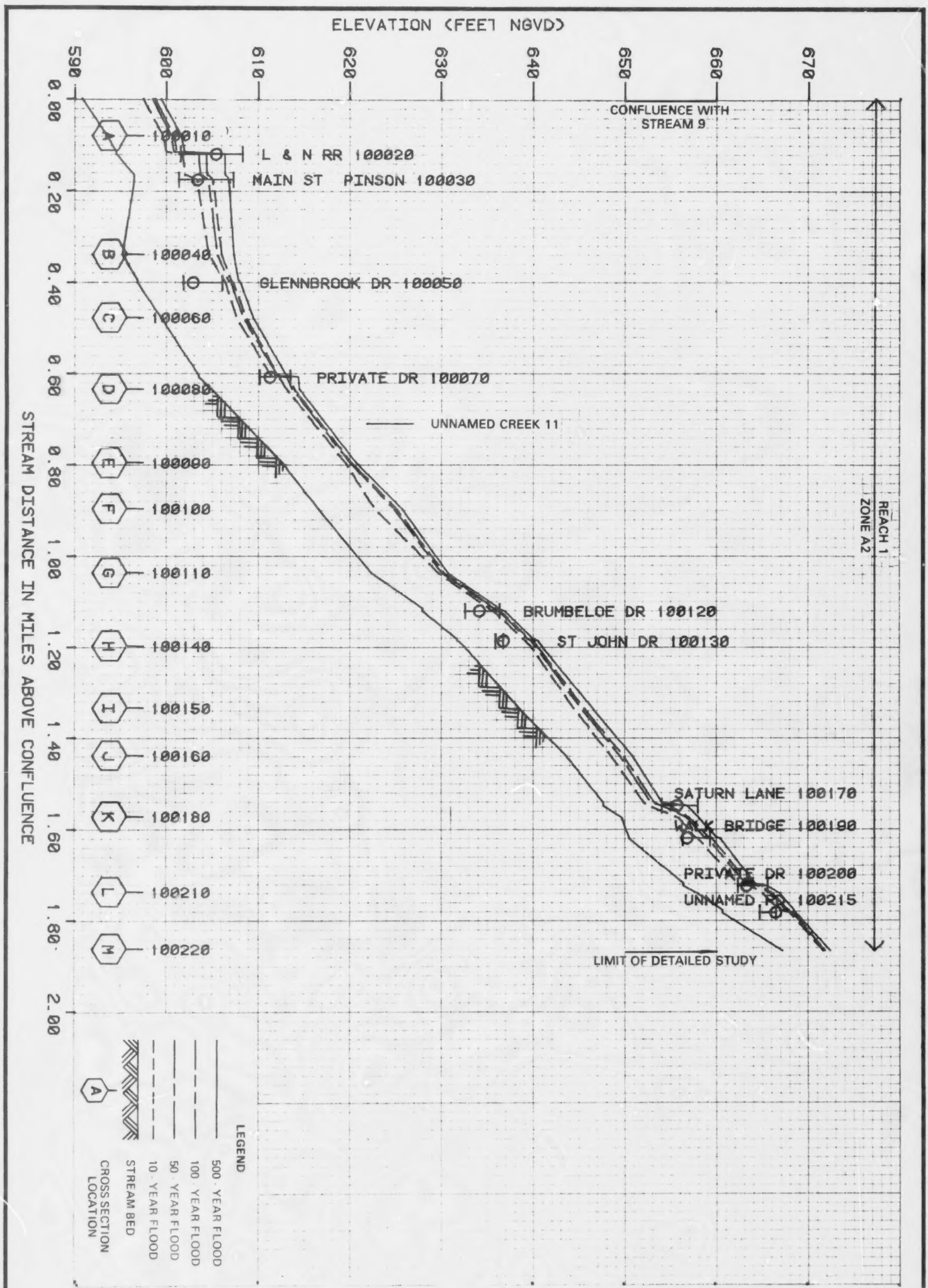
FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL

(UNINCORPORATED AREAS)

FLOOD PROFILES

UNNAMED CREEK 9



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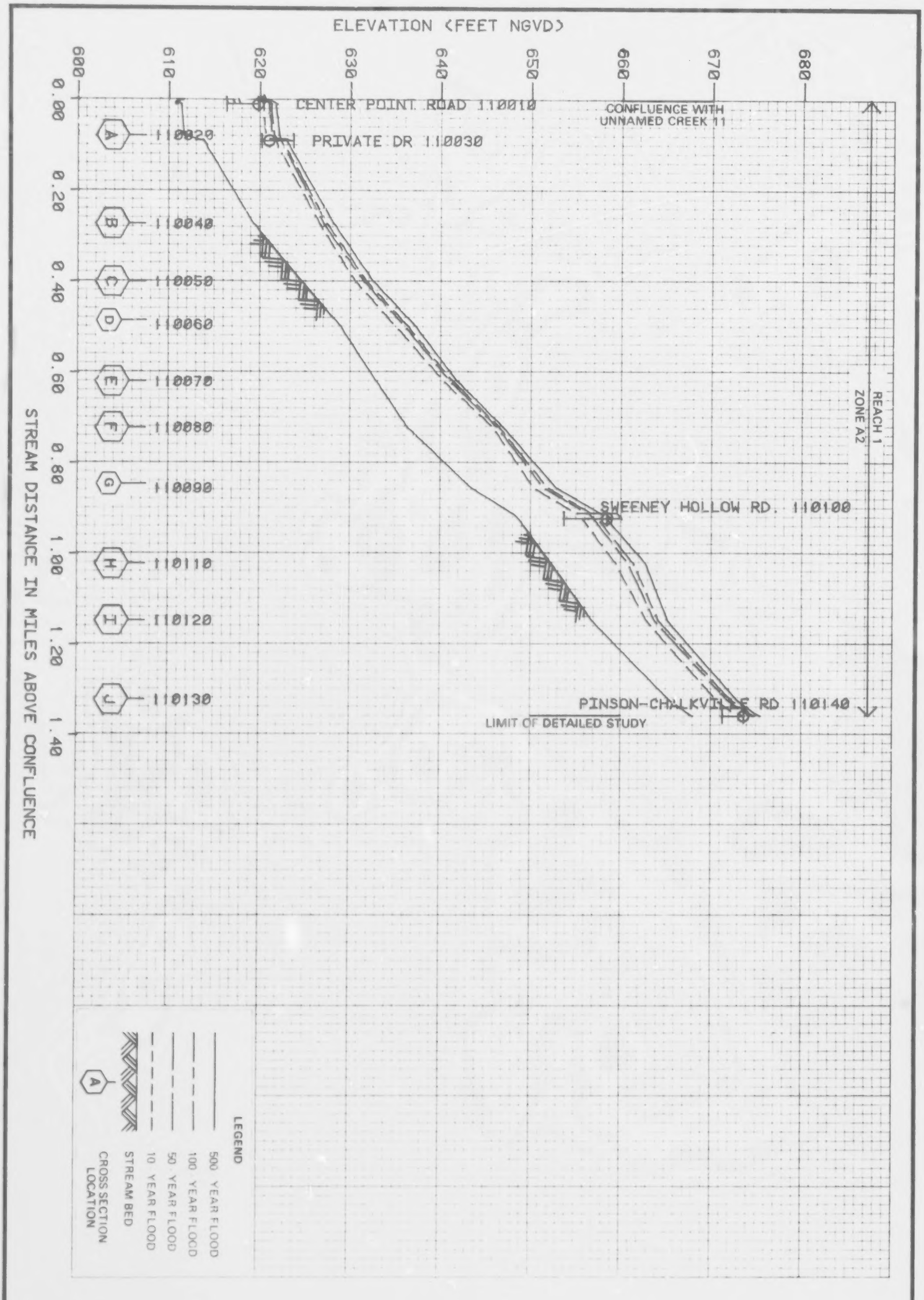
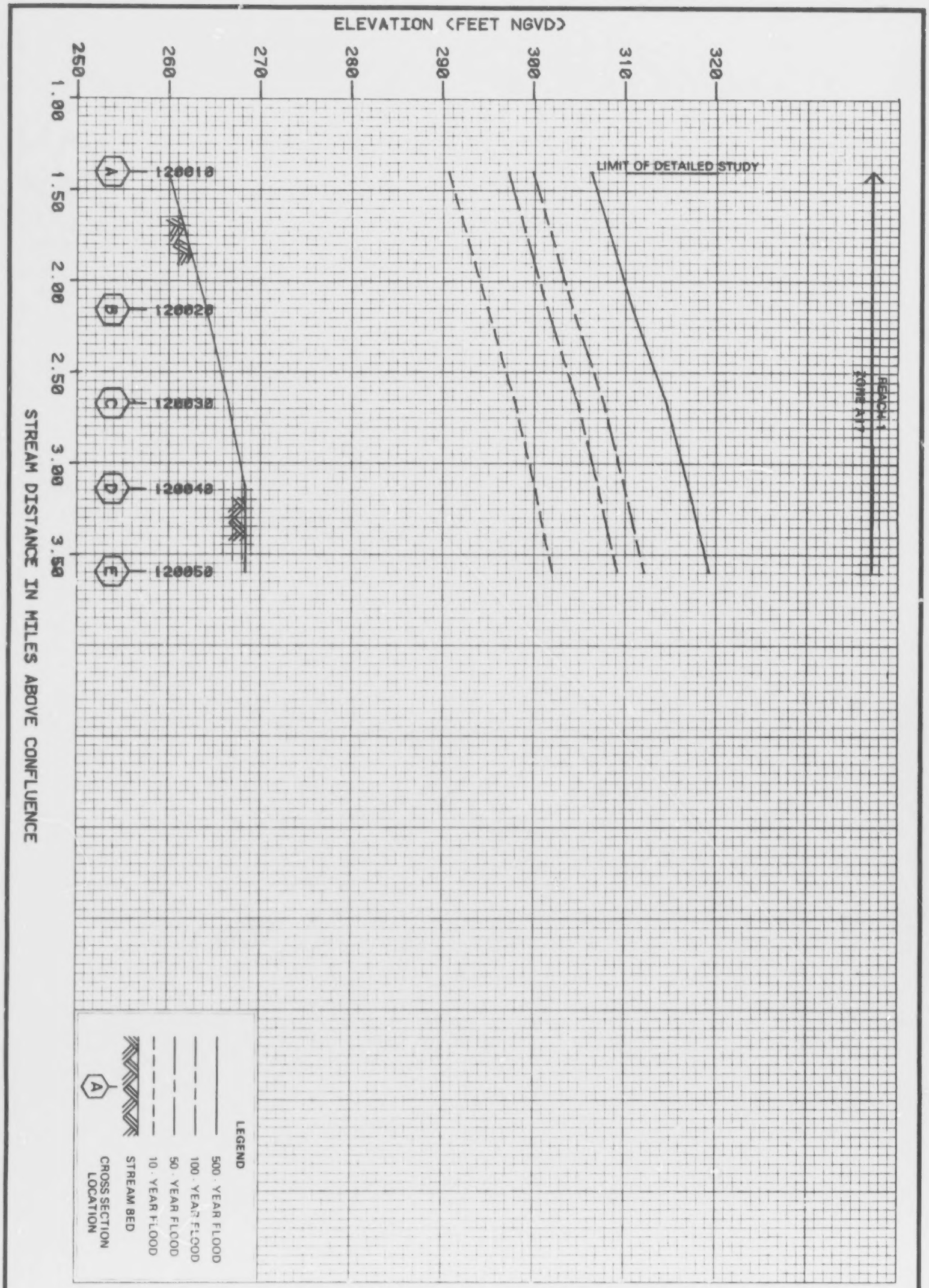
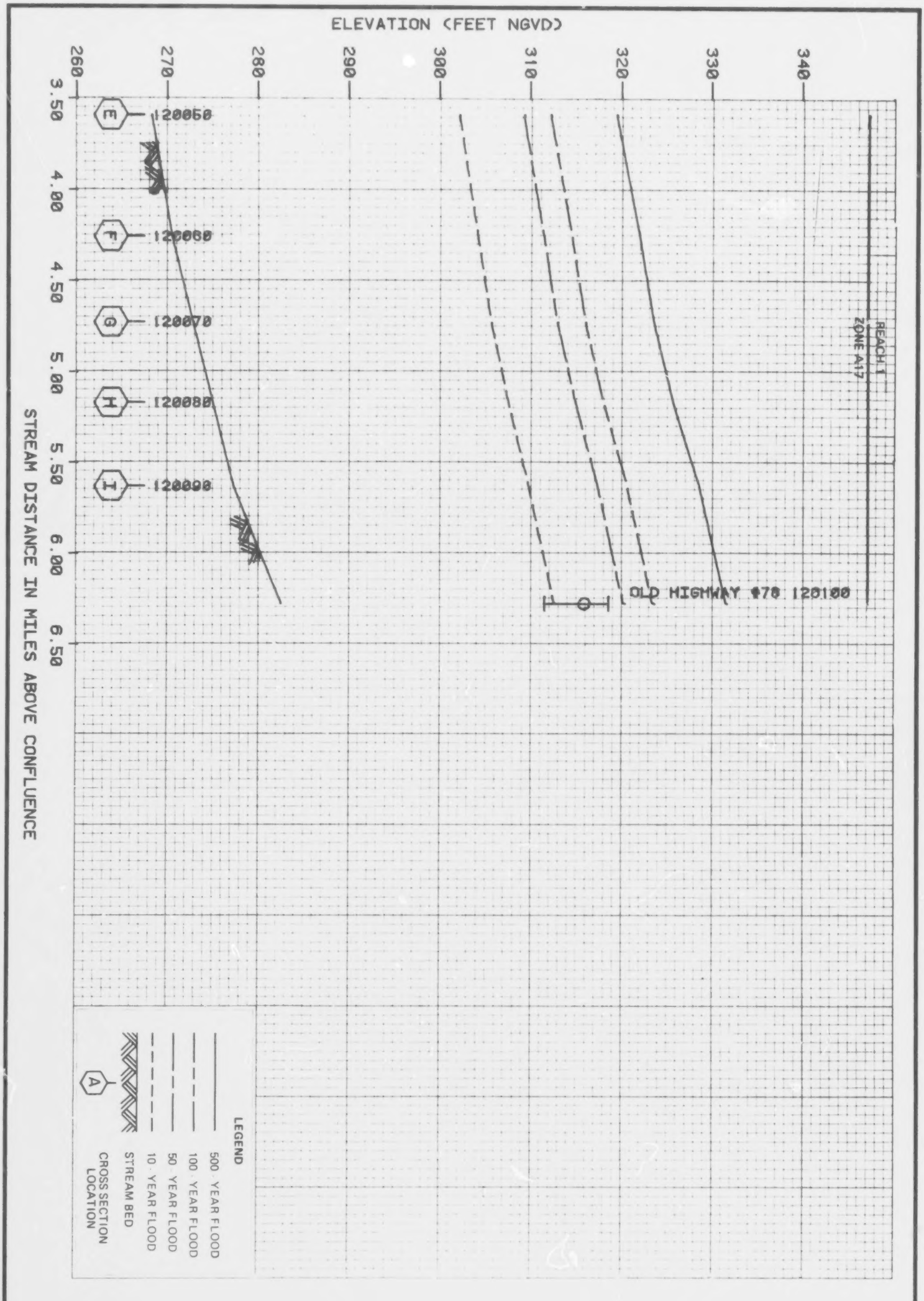


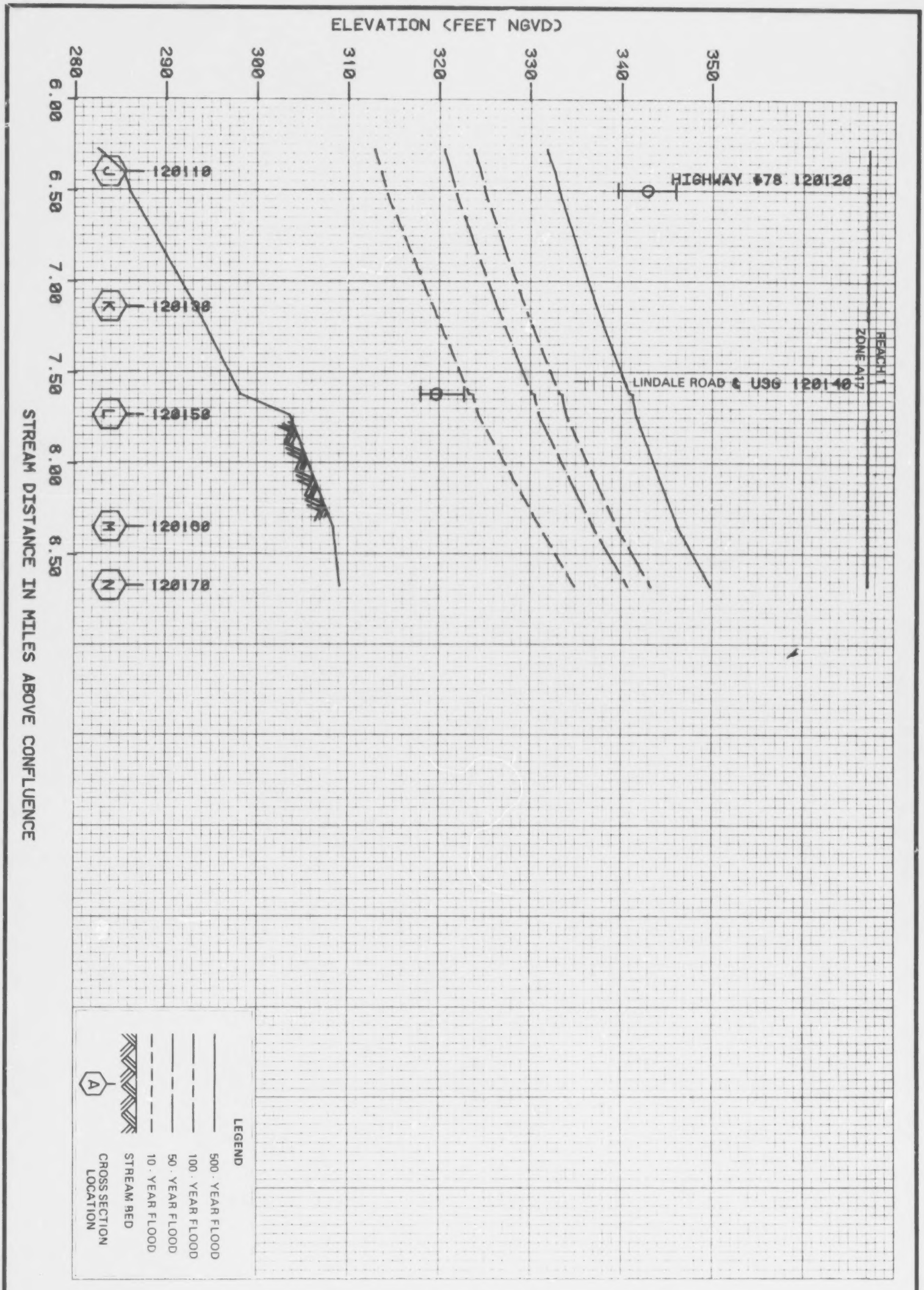
22P	FEDERAL EMERGENCY MANAGEMENT AGENCY JEFFERSON COUNTY, AL (UNINCORPORATED AREAS)	FLOOD PROFILES UNNAMED CREEK 11



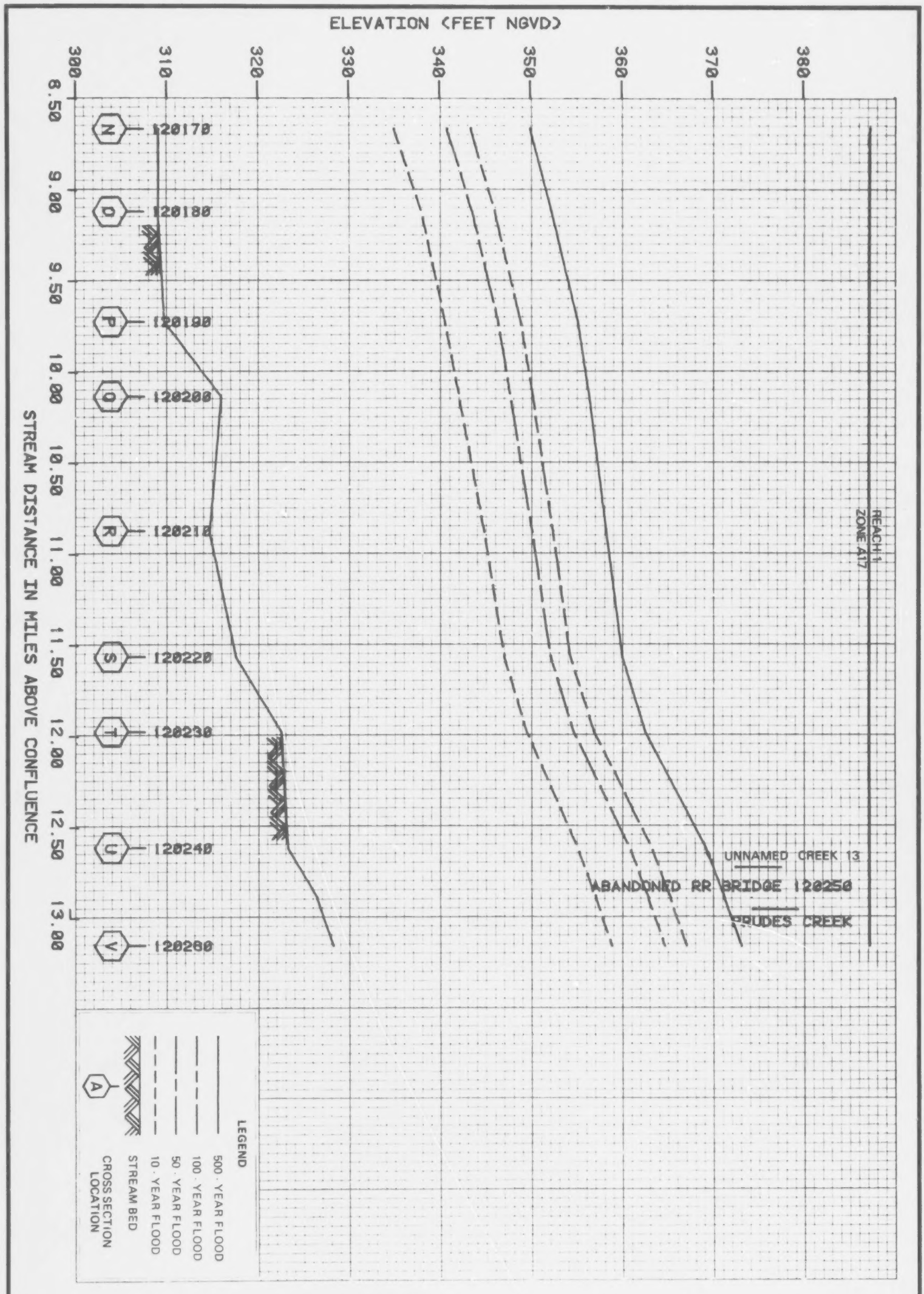
23P	FEDERAL EMERGENCY MANAGEMENT AGENCY JEFFERSON COUNTY, AL (UNINCORPORATED AREAS)	FLOOD PROFILES FIVEMILE CREEK (FIVEMILE CREEK BASIN)



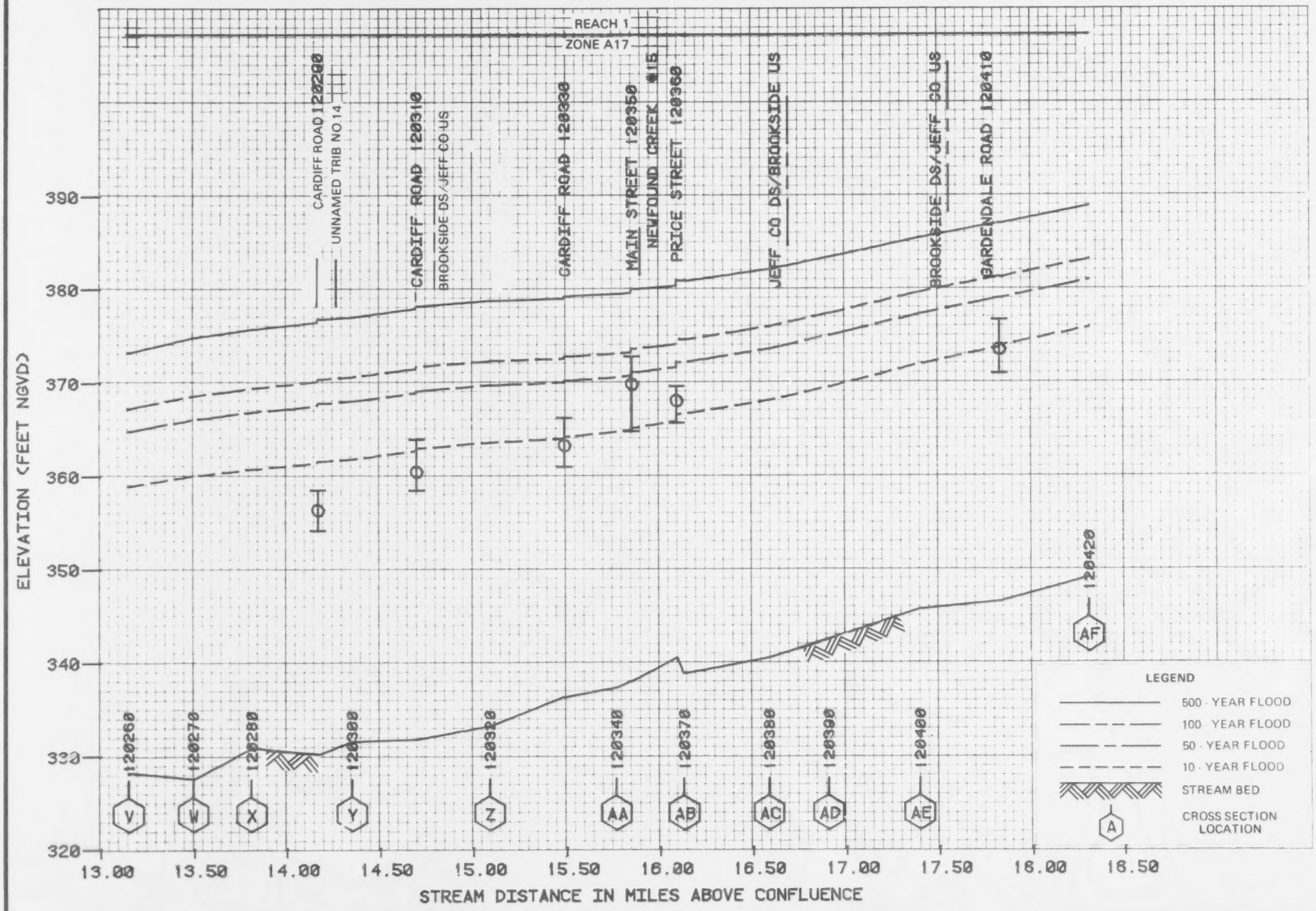
24P	FEDERAL EMERGENCY MANAGEMENT AGENCY JEFFERSON COUNTY, AL (UNINCORPORATED AREAS)	FLOOD PROFILES FIVEMILE CREEK (FIVEMILE CREEK BASIN)



25P	FEDERAL EMERGENCY MANAGEMENT AGENCY JEFFERSON COUNTY, AL (UNINCORPORATED AREAS)	FLOOD PROFILES FIVEMILE CREEK (FIVEMILE CREEK BASIN)



26P	FEDERAL EMERGENCY MANAGEMENT AGENCY JEFFERSON COUNTY, AL (UNINCORPORATED AREAS)	FLOOD PROFILES FIVEMILE CREEK (FIVEMILE CREEK BASIN)



FLOOD PROFILES

FIVEMILE CREEK (FIVEMILE CREEK BASIN)

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

27P

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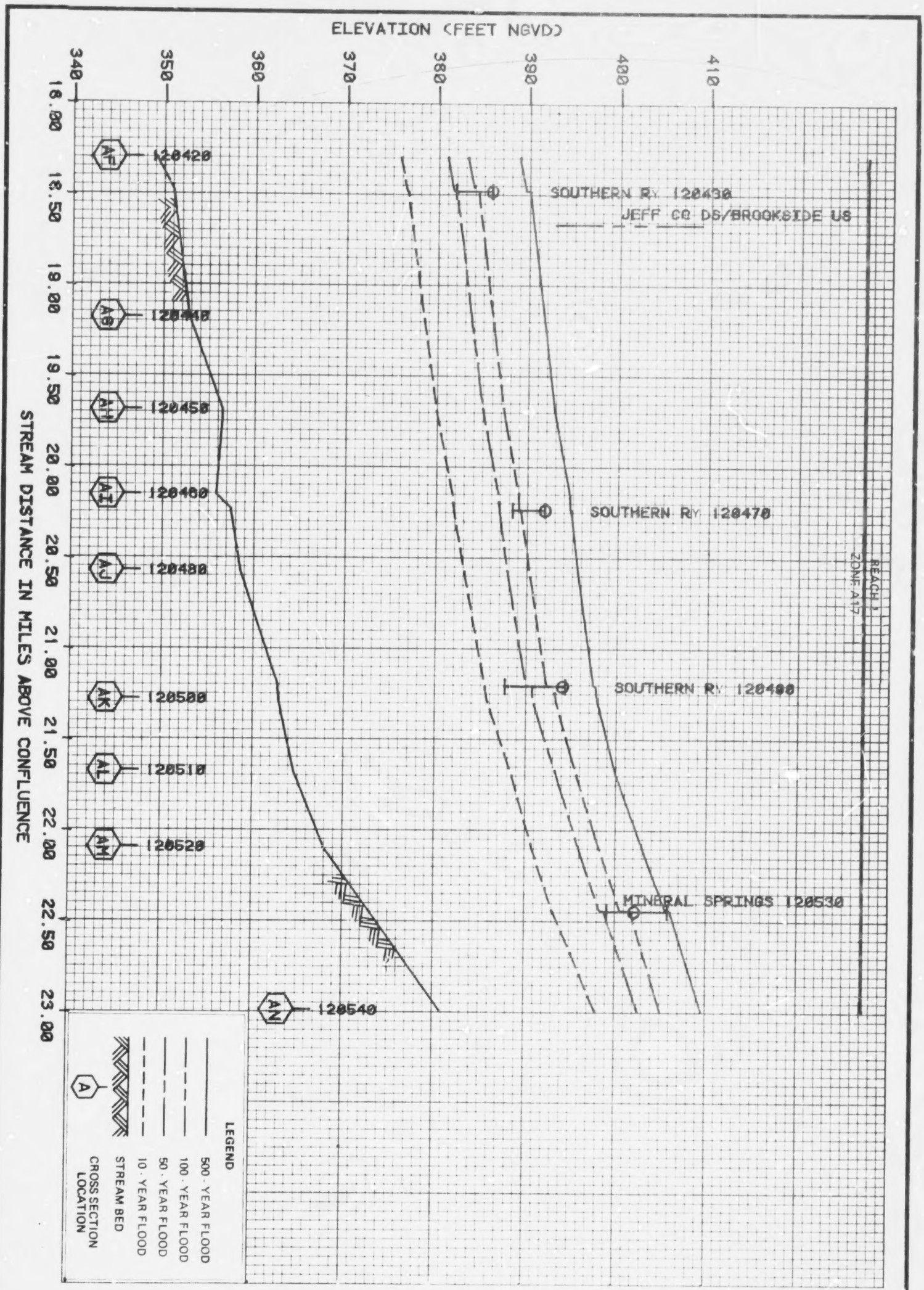


28P

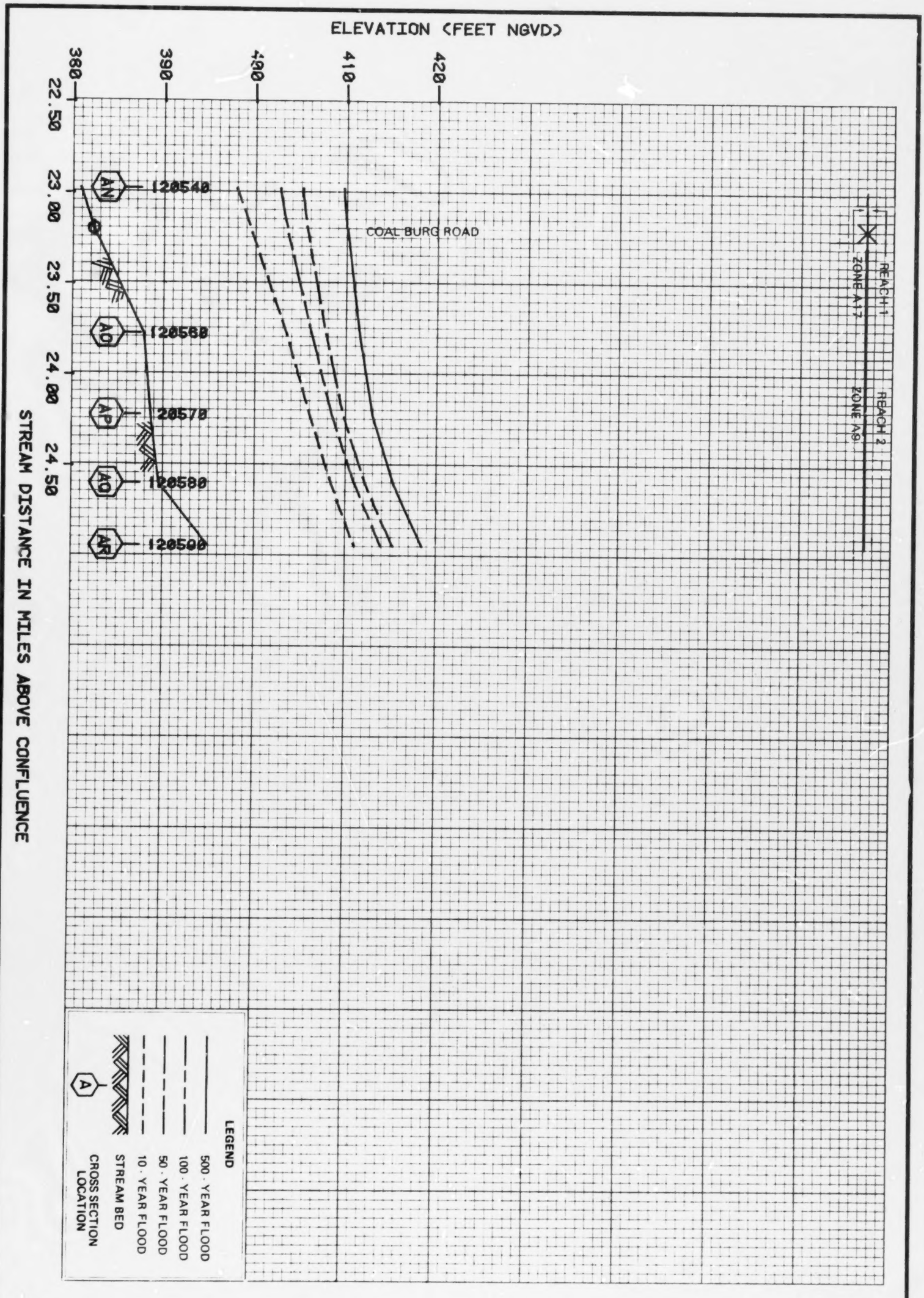
FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL

(UNINCORPORATED AREAS)

FLOOD PROFILES

FIVEMILE CREEK (FIVEMILE CREEK BASIN)



29P

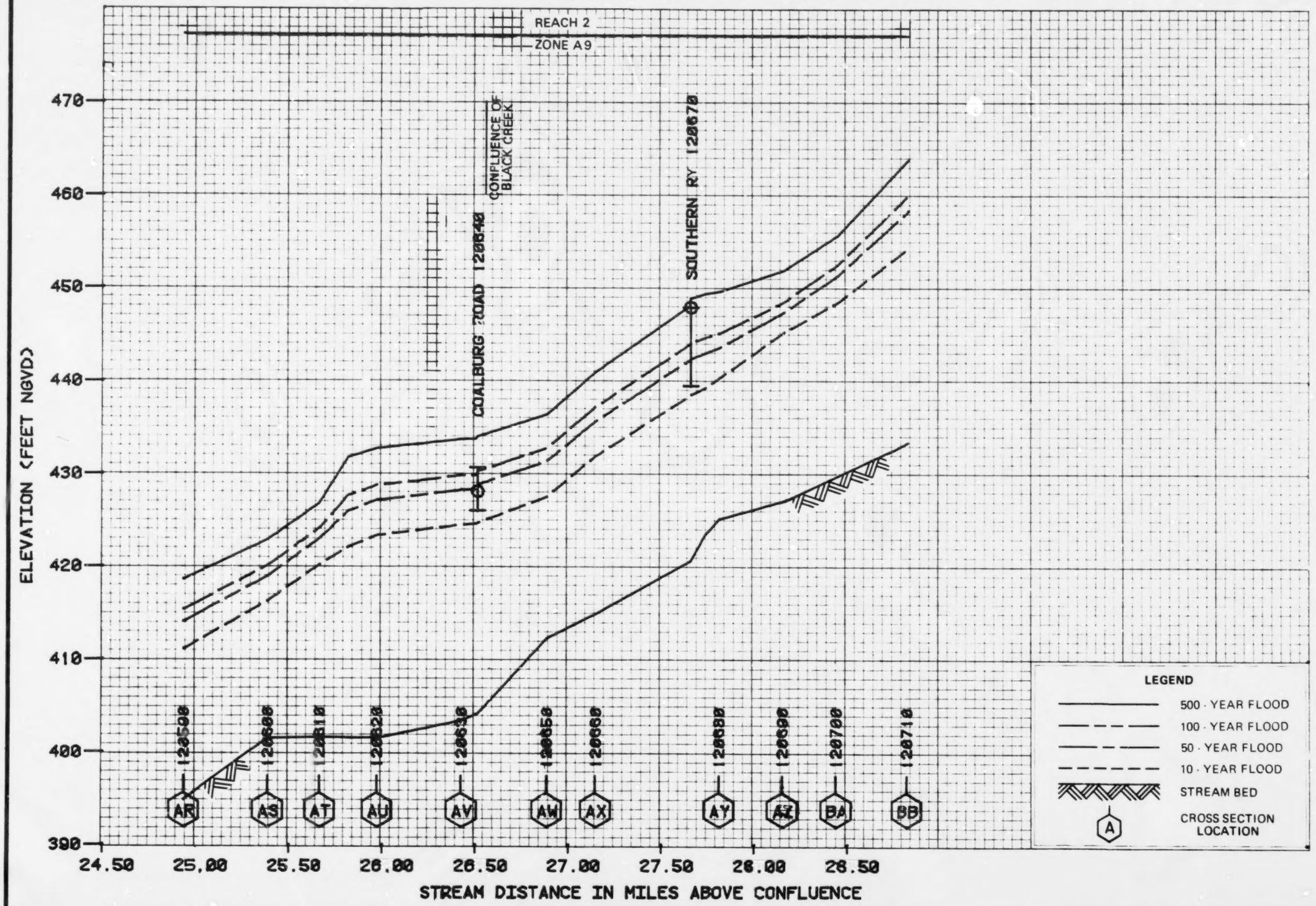
FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL

(UNINCORPORATED AREAS)

FLOOD PROFILES

FIVEMILE CREEK (FIVEMILE CREEK BASIN)



FLOOD PROFILES

FIVEMILE CREEK (FIVEMILE CREEK BASIN)

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

30P

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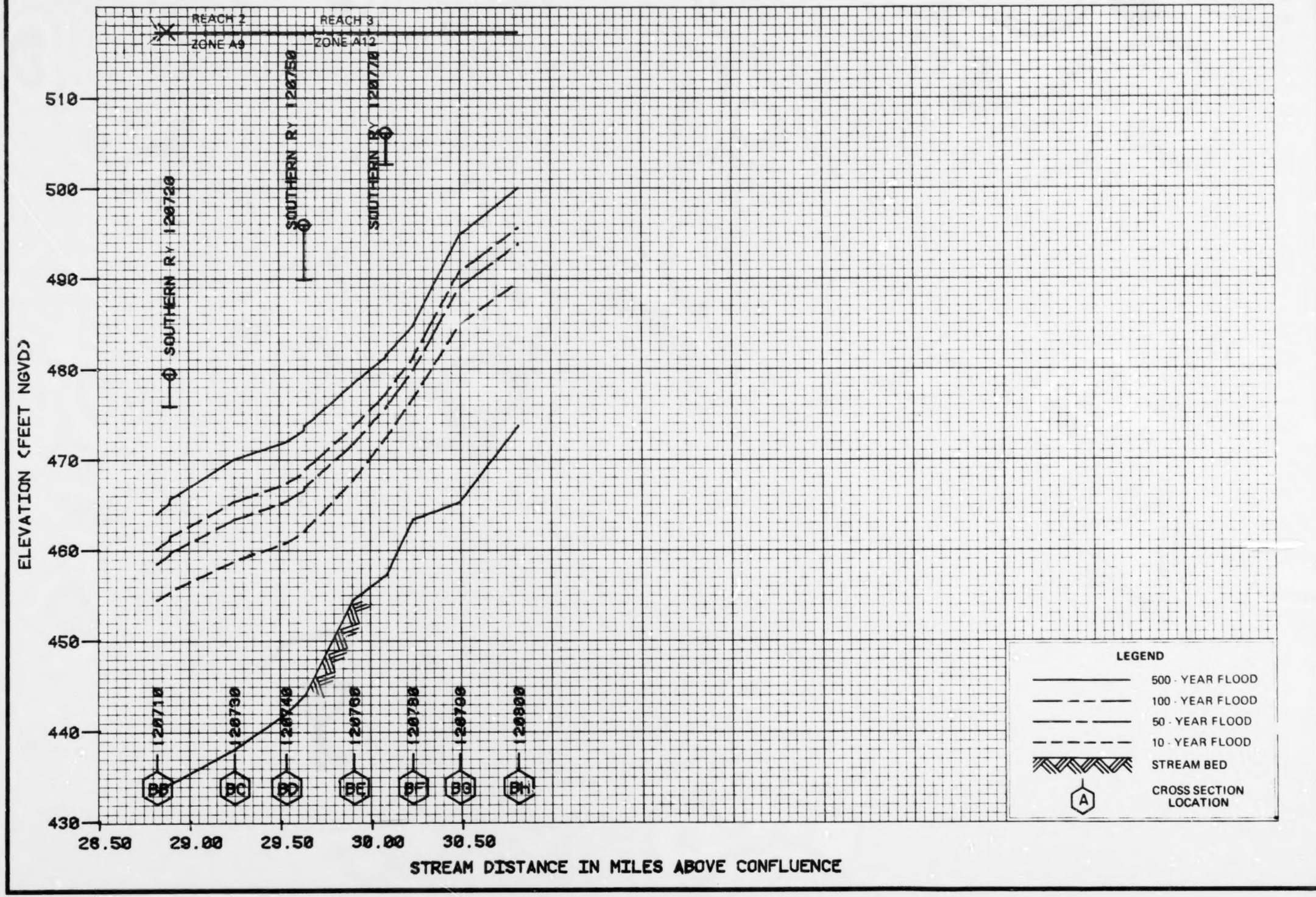

FLOOD PROFILES

FIVEMILE CREEK (FIVEMILE CREEK BASIN)

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

31P

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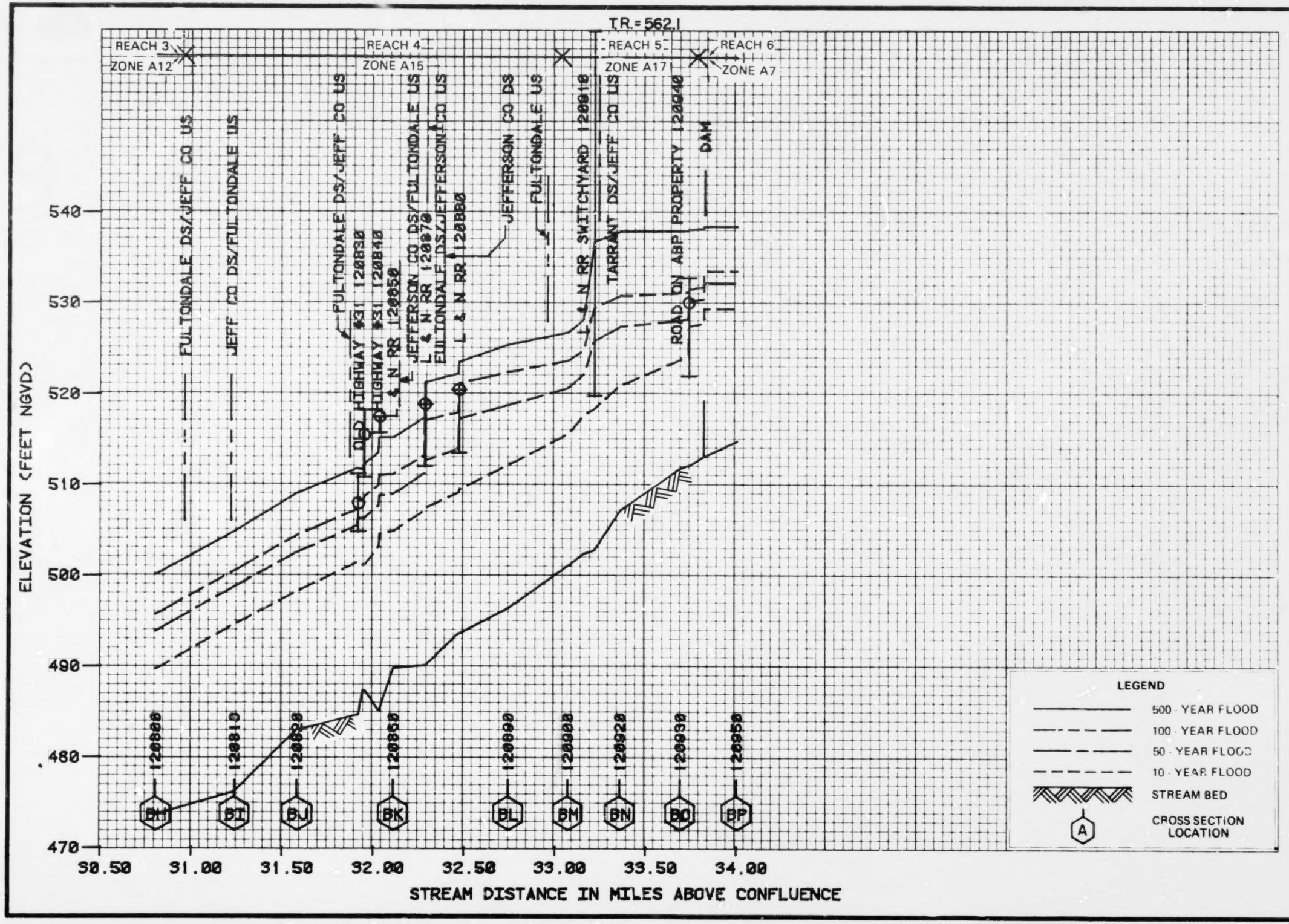


FLOOD PROFILES

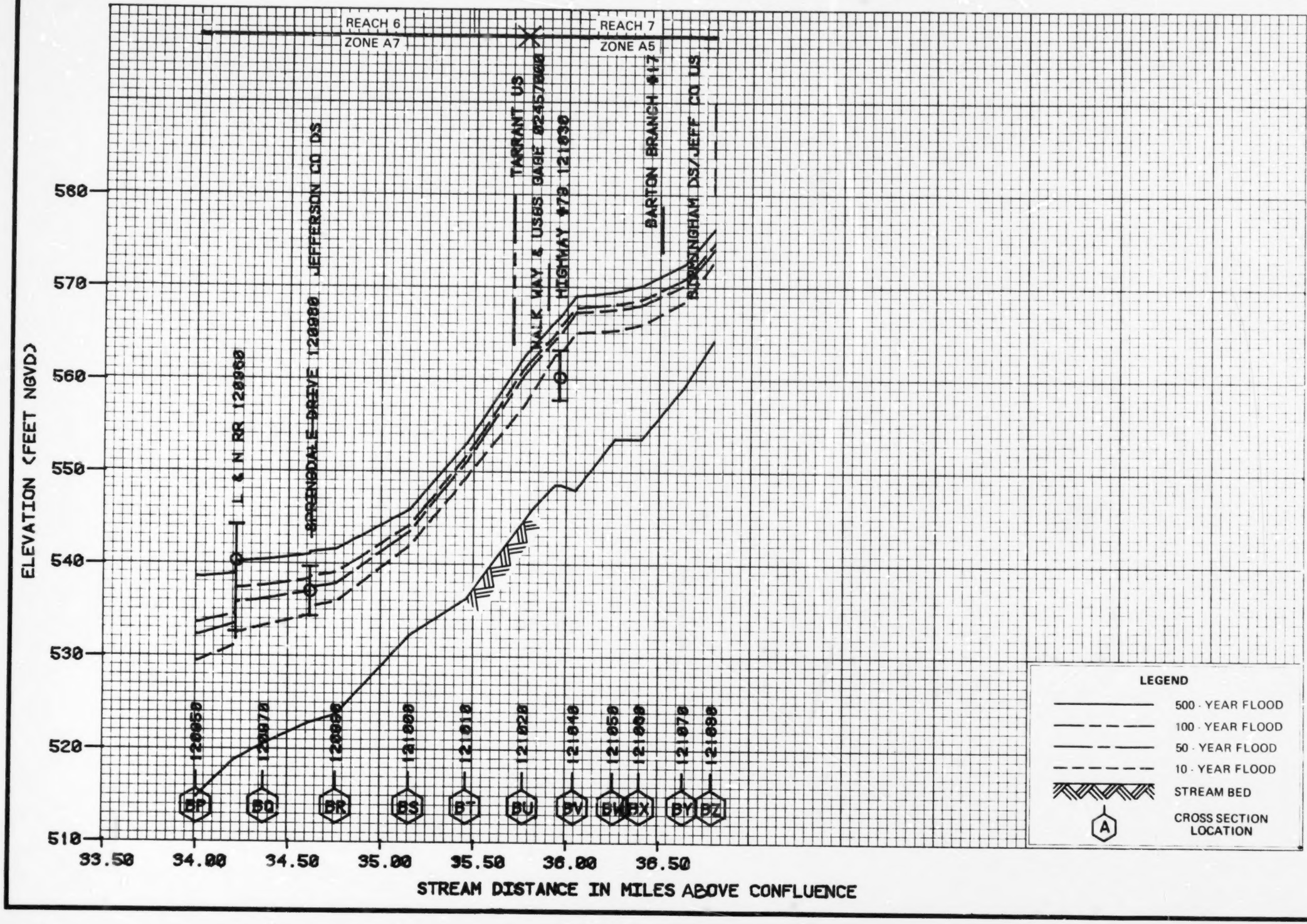
FIVEMILE CREEK (FIVEMILE CREEK BASIN)

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL

(UNINCORPORATED AREAS)

32P



FLOOD PROFILES

FIVEMILE CREEK (FIVEMILE CREEK BASIN)

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL

(UNINCORPORATED AREAS)

33P

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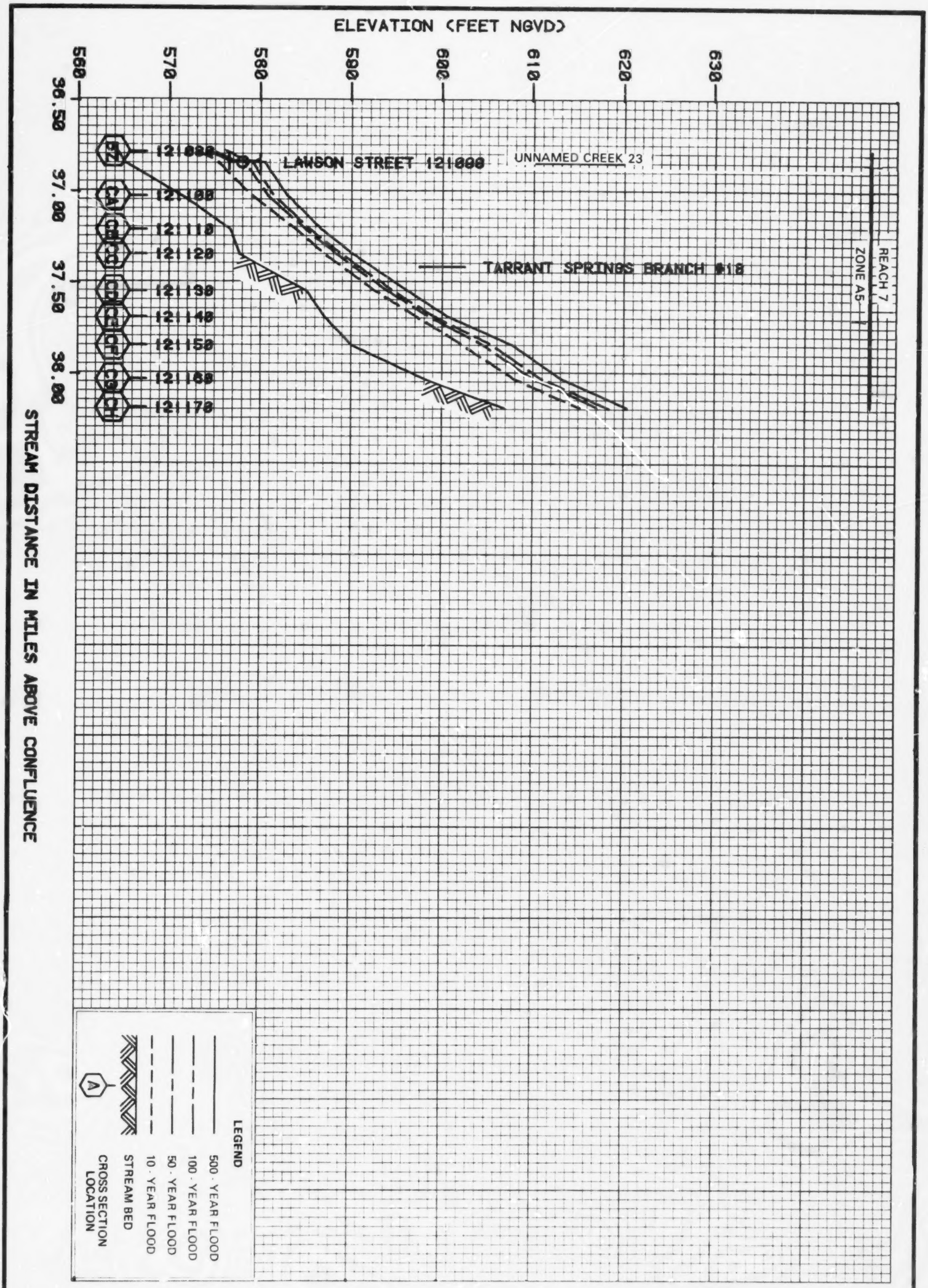


34P	FEDERAL EMERGENCY MANAGEMENT AGENCY JEFFERSON COUNTY, AL (UNINCORPORATED AREAS)	FLOOD PROFILES FIVEMILE CREEK (FIVEMILE CREEK BASIN)

REACH 7
ZONE A5

JEFF CO D9/BIRMINGHAM US
HOOD ST. 121230

ELEVATION (FEET NGVD)

670
660
650
640
630
620
610
600

121170
121180
121190
121200
121210
121220
121240

CH CI CJ CK CL CM CN

36.00 38.50 39.00

STREAM DISTANCE IN MILES ABOVE CONFLUENCE

LEGEND

- 500 - YEAR FLOOD
- 100 - YEAR FLOOD
- 50 - YEAR FLOOD
- 10 - YEAR FLOOD
- STREAM BED
- (A) CROSS SECTION LOCATION

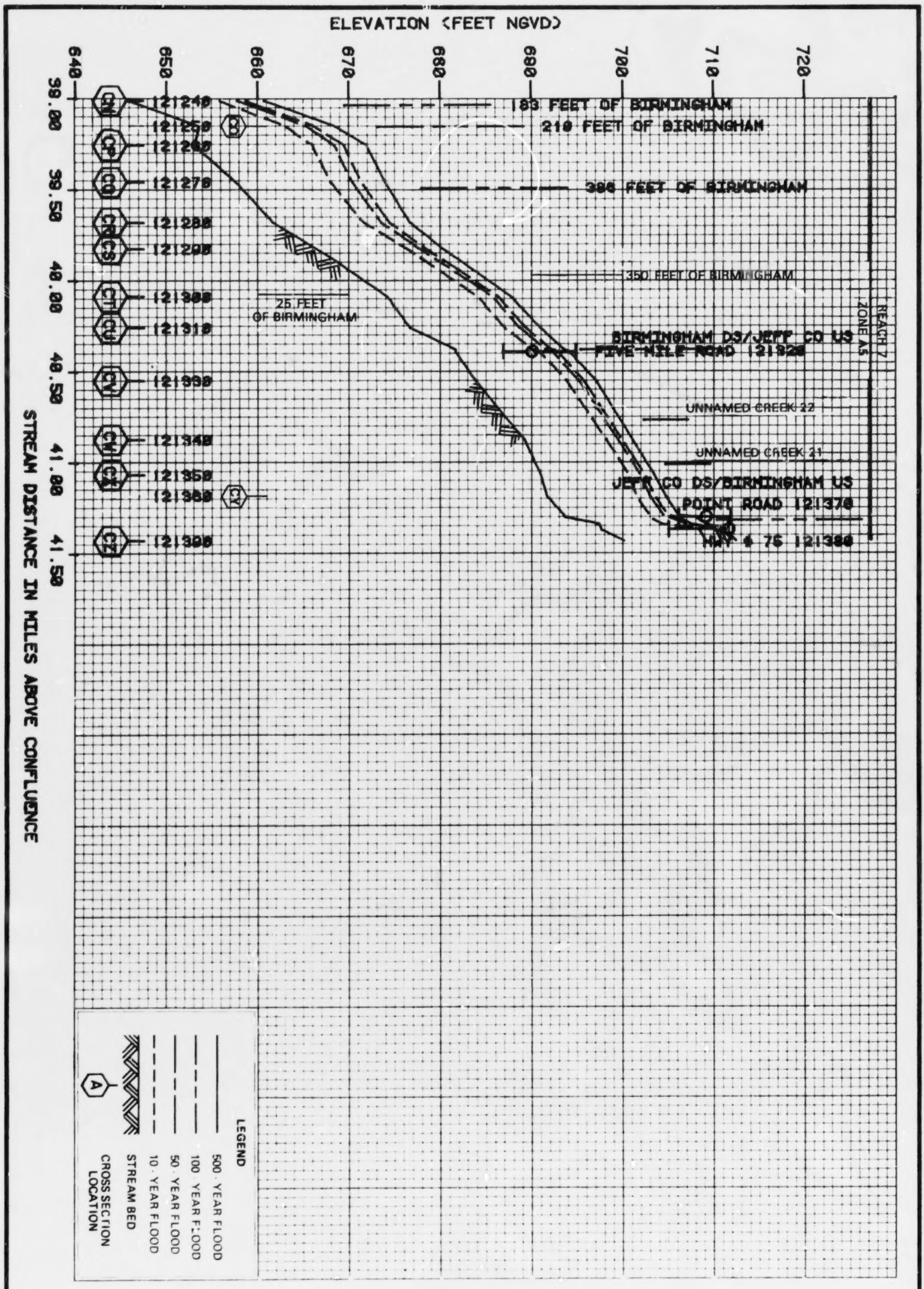
FLOOD PROFILES

FIVEMILE CREEK (FIVEMILE CREEK BASIN)

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

35P



170

36P

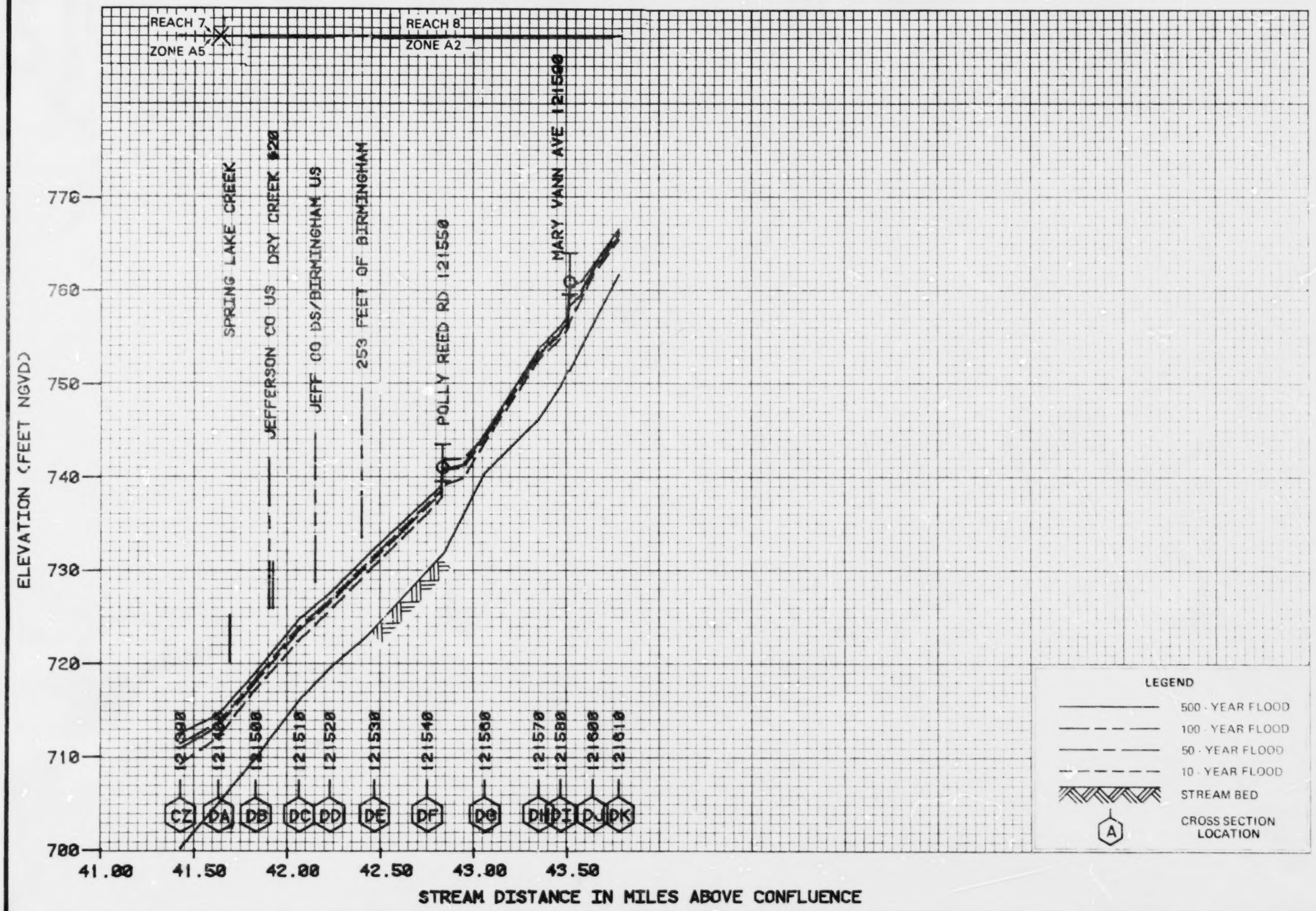
FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL

(UNINCORPORATED AREAS)

FLOOD PROFILES

FIVEMILE CREEK (FIVEMILE CREEK BASIN)



FLOOD PROFILES

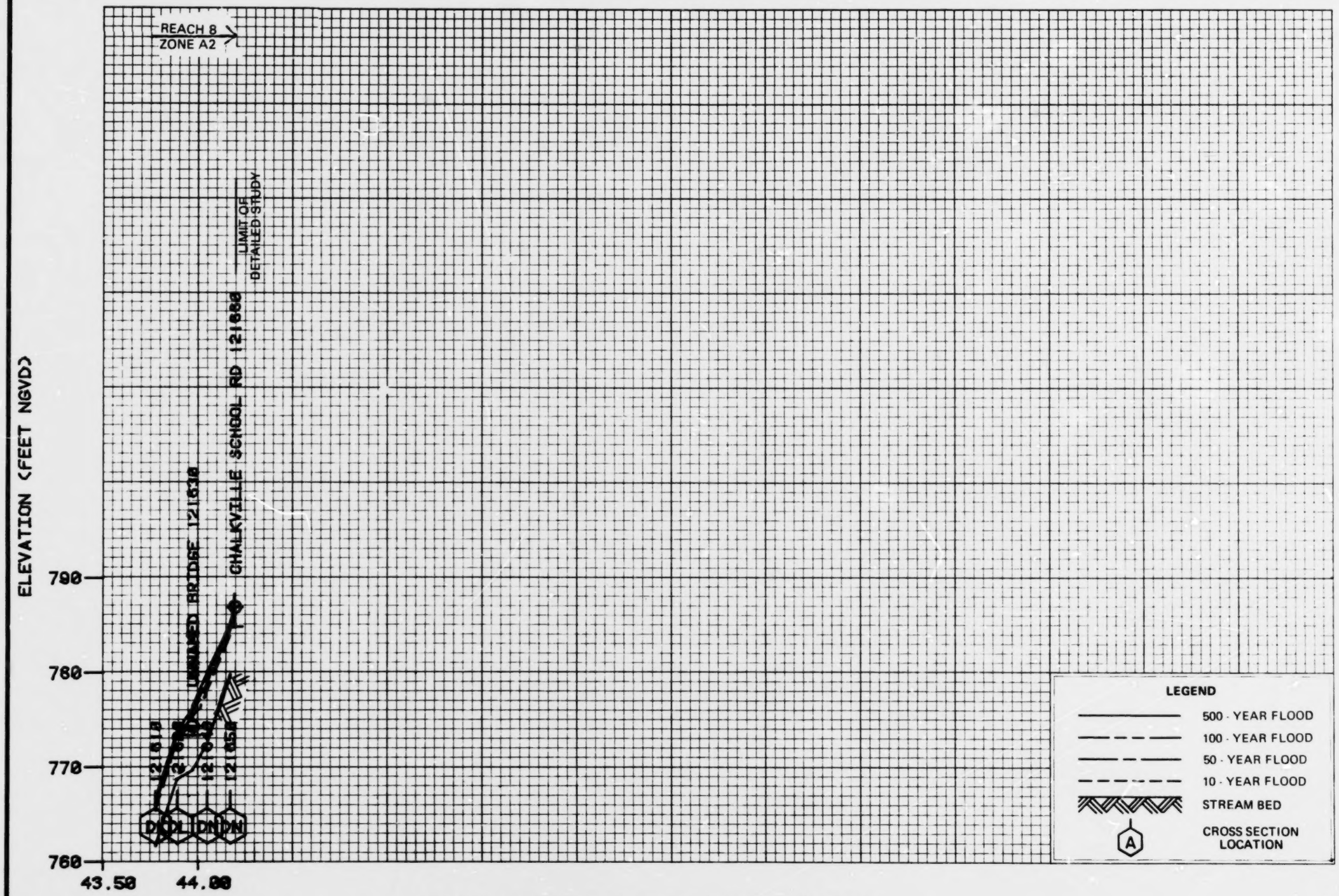
FIVEMILE CREEK (FIVEMILE CREEK BASIN)

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL

(UNINCORPORATED AREAS)

37P



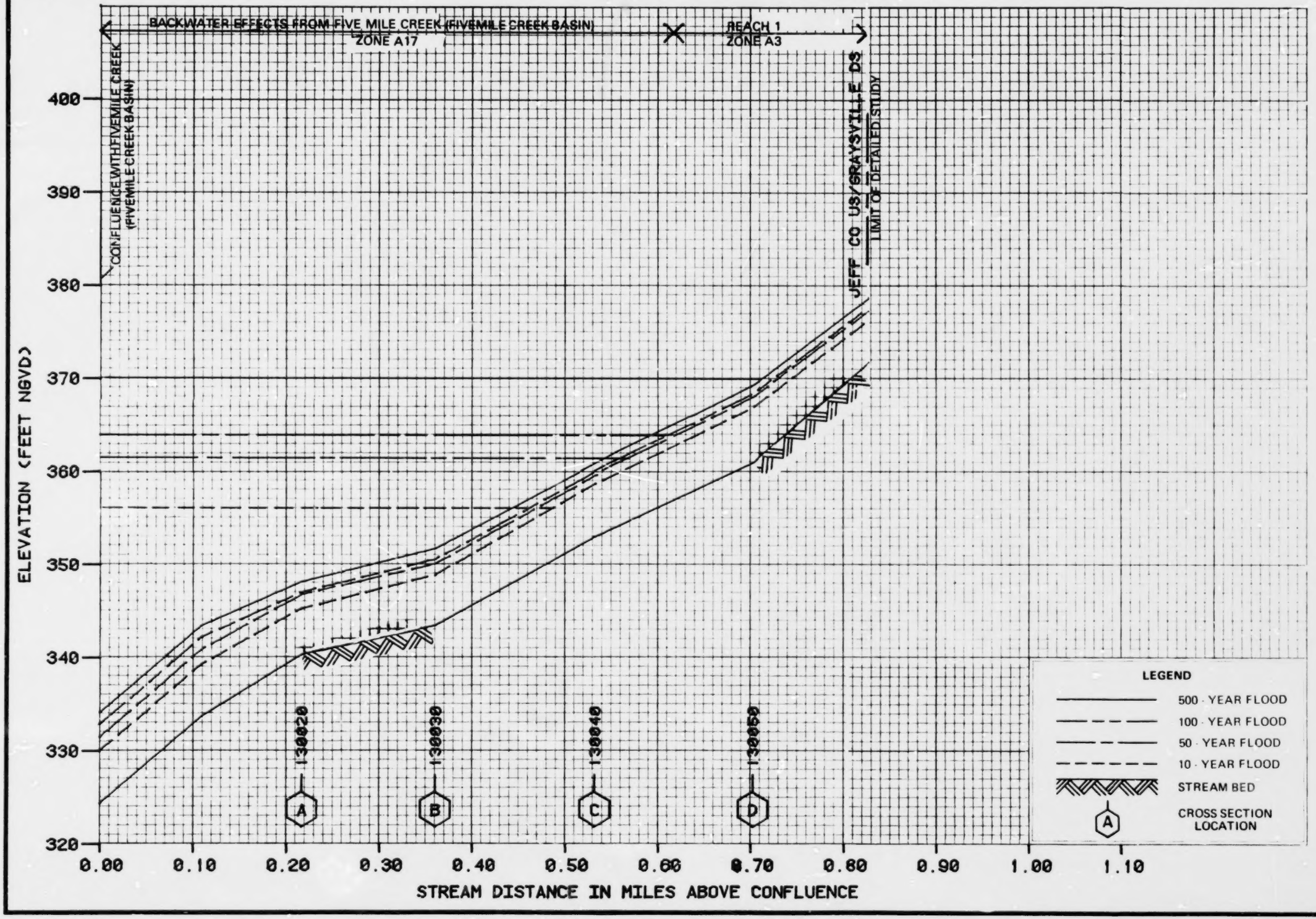
FLOOD PROFILES

FIVEMILE CREEK (FIVEMILE CREEK BASIN)

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

38P



FLOOD PROFILES

UNNAMED CREEK 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

39P

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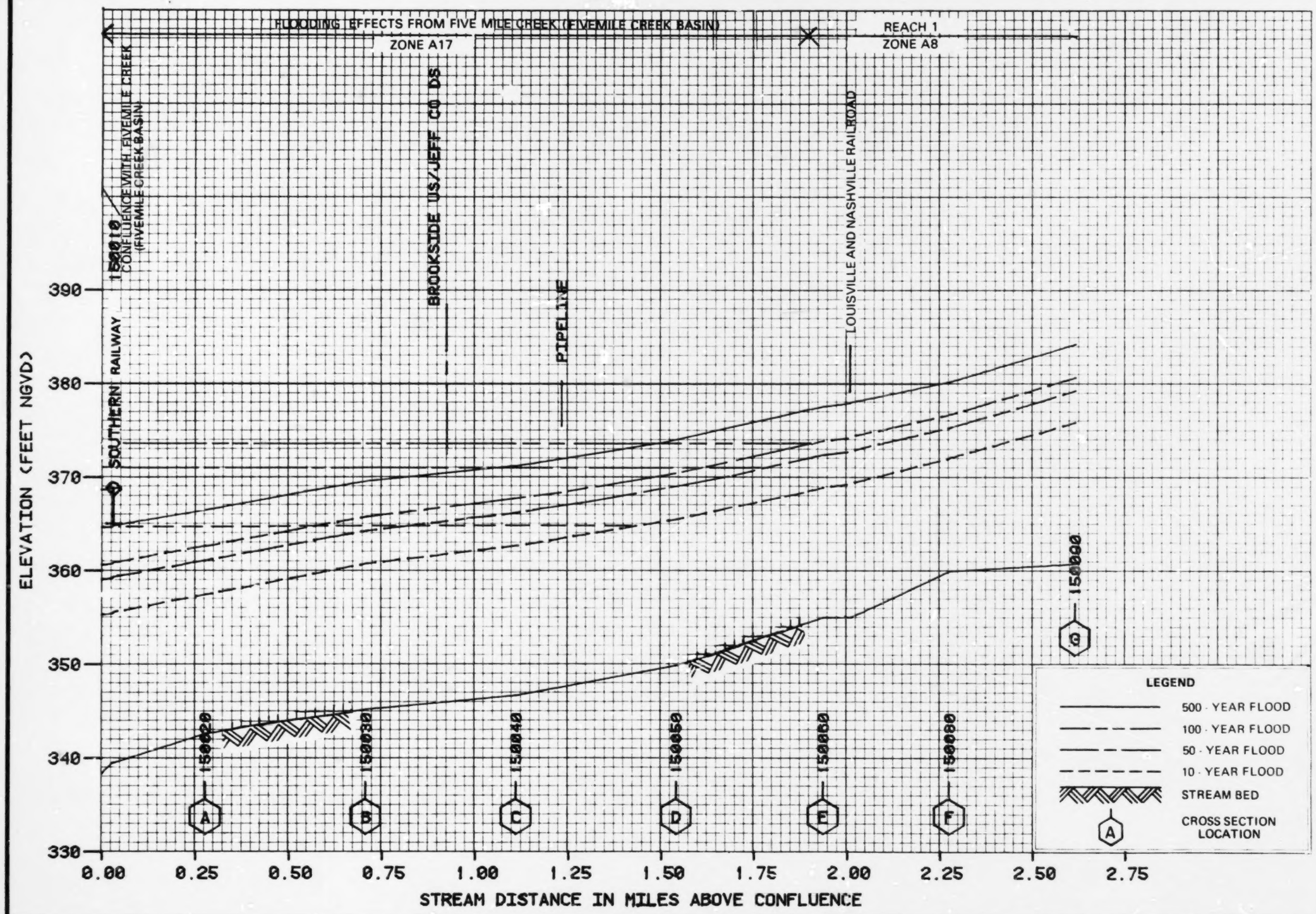


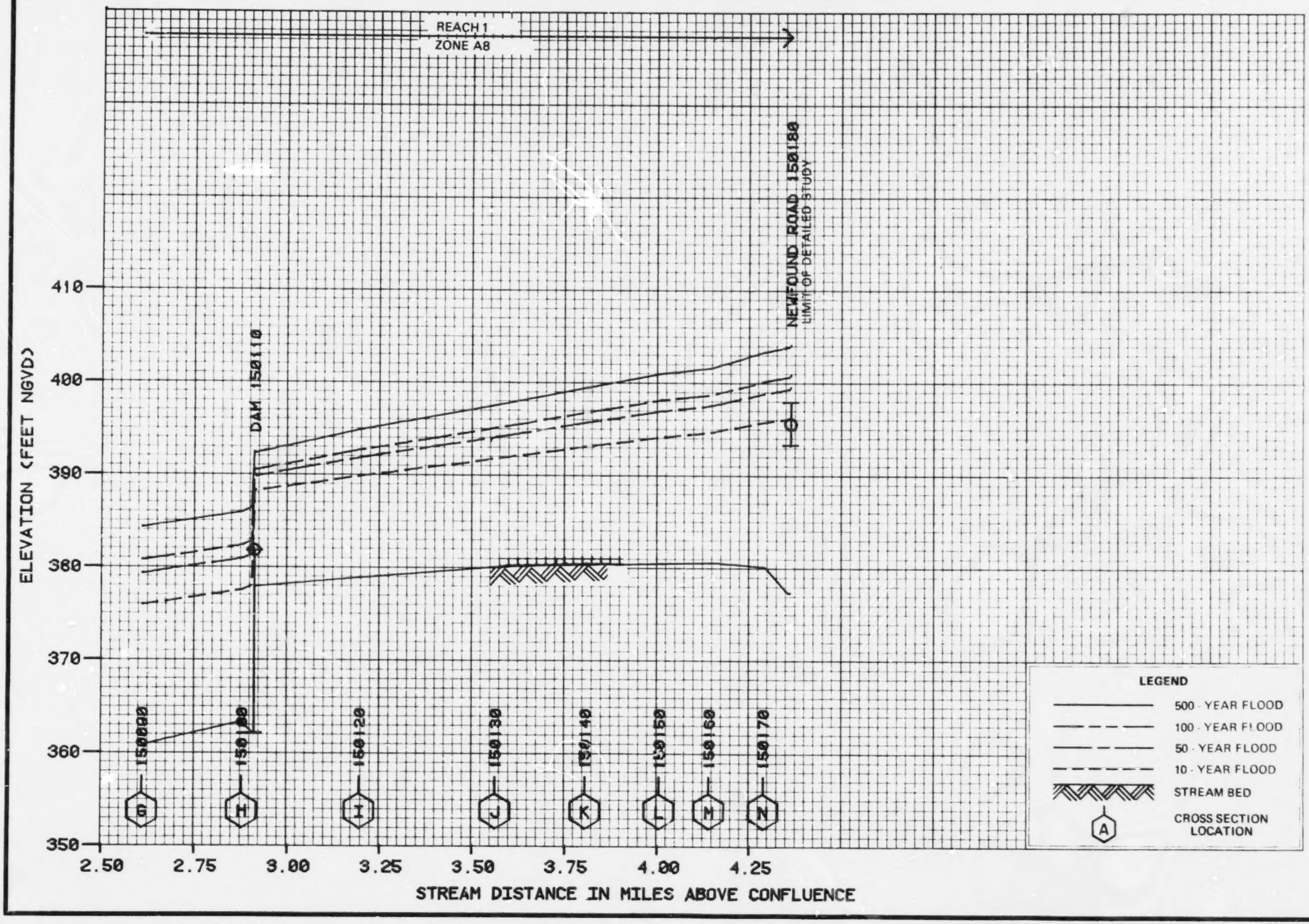
FLOOD PROFILES

NEWFOUND CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

40P



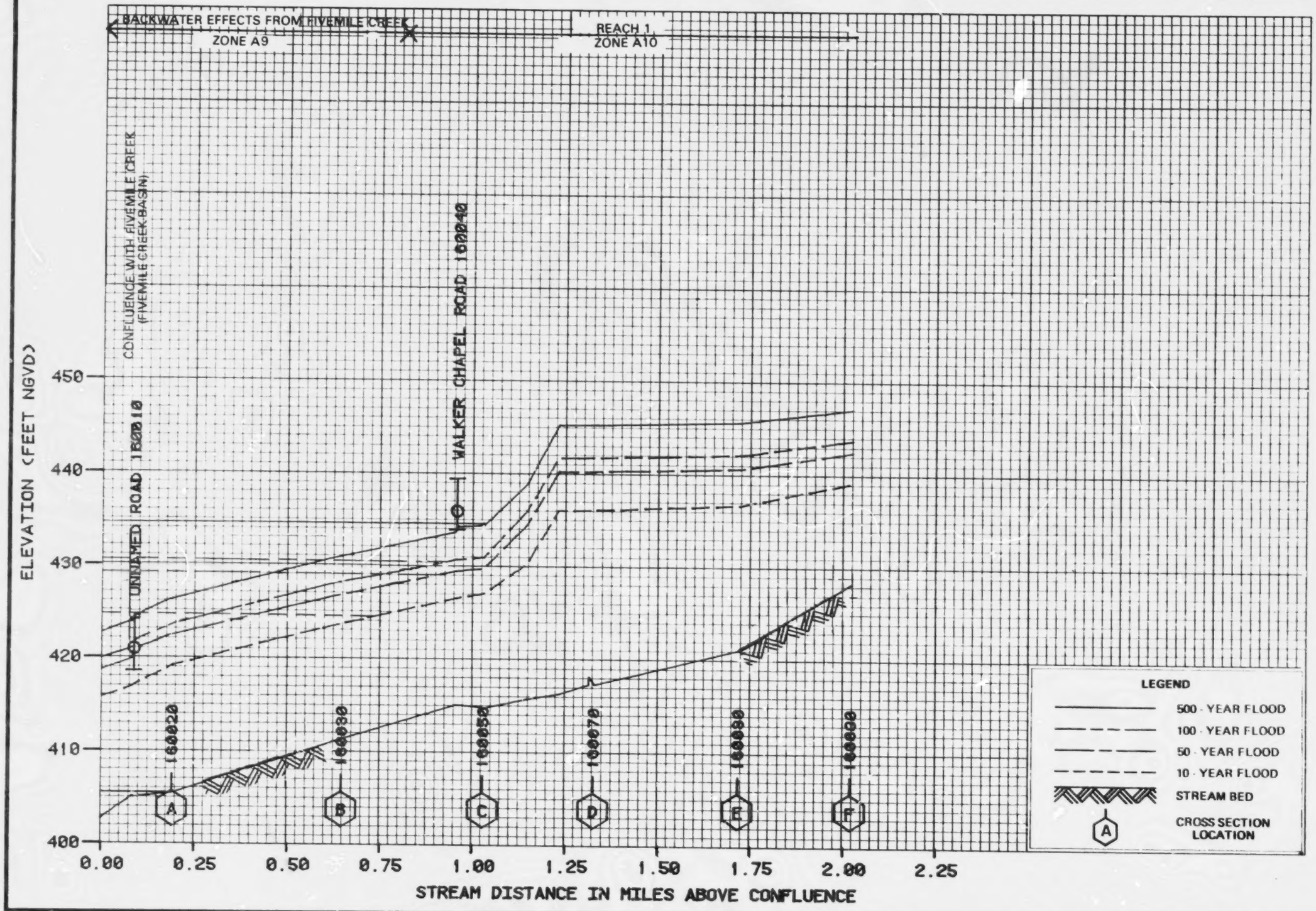
FLOOD PROFILES

NEWFOUND CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

41P



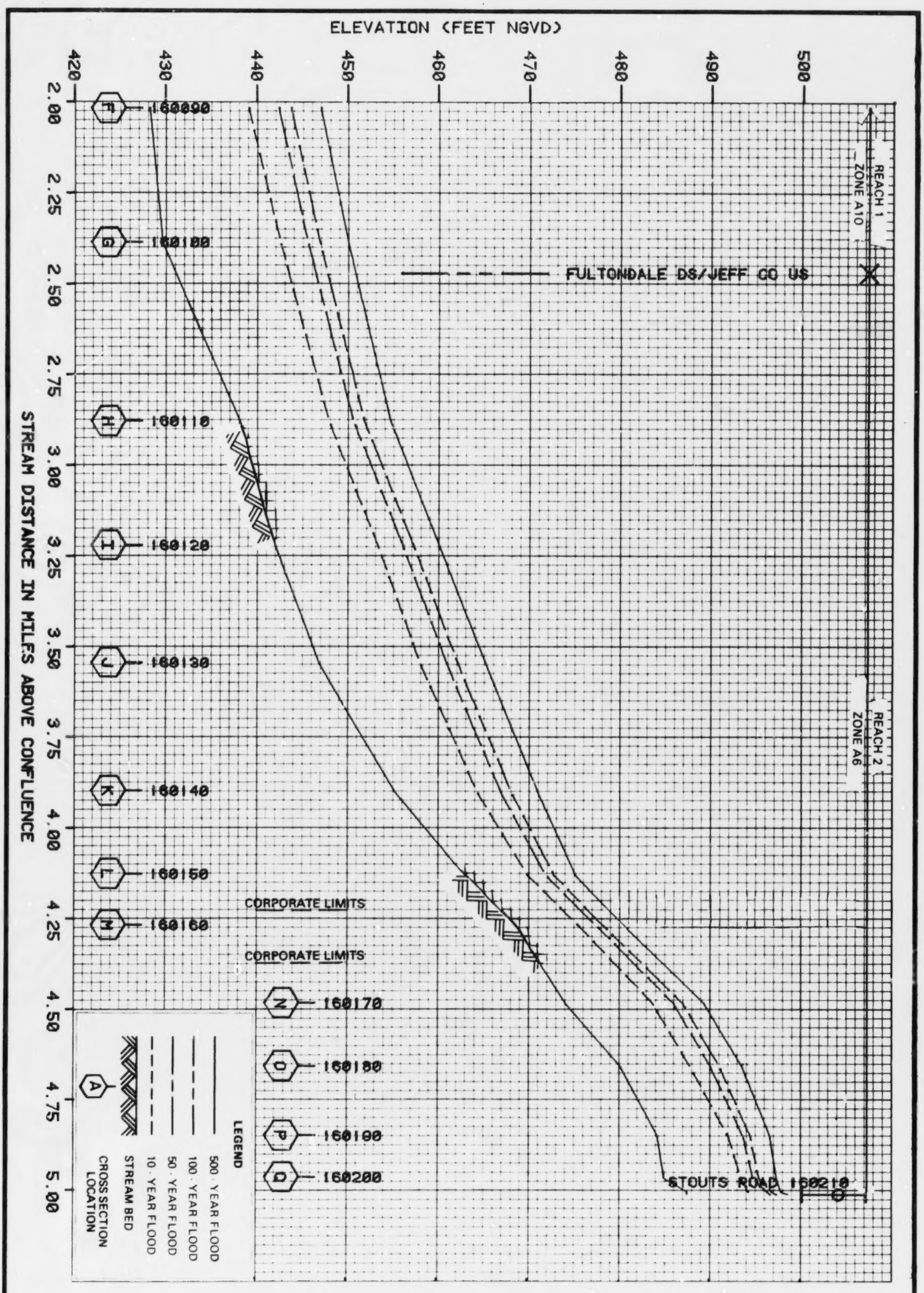
FLOOD PROFILES

BLACK CREEK (FIVEMILE CREEK BASIN)

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

42P

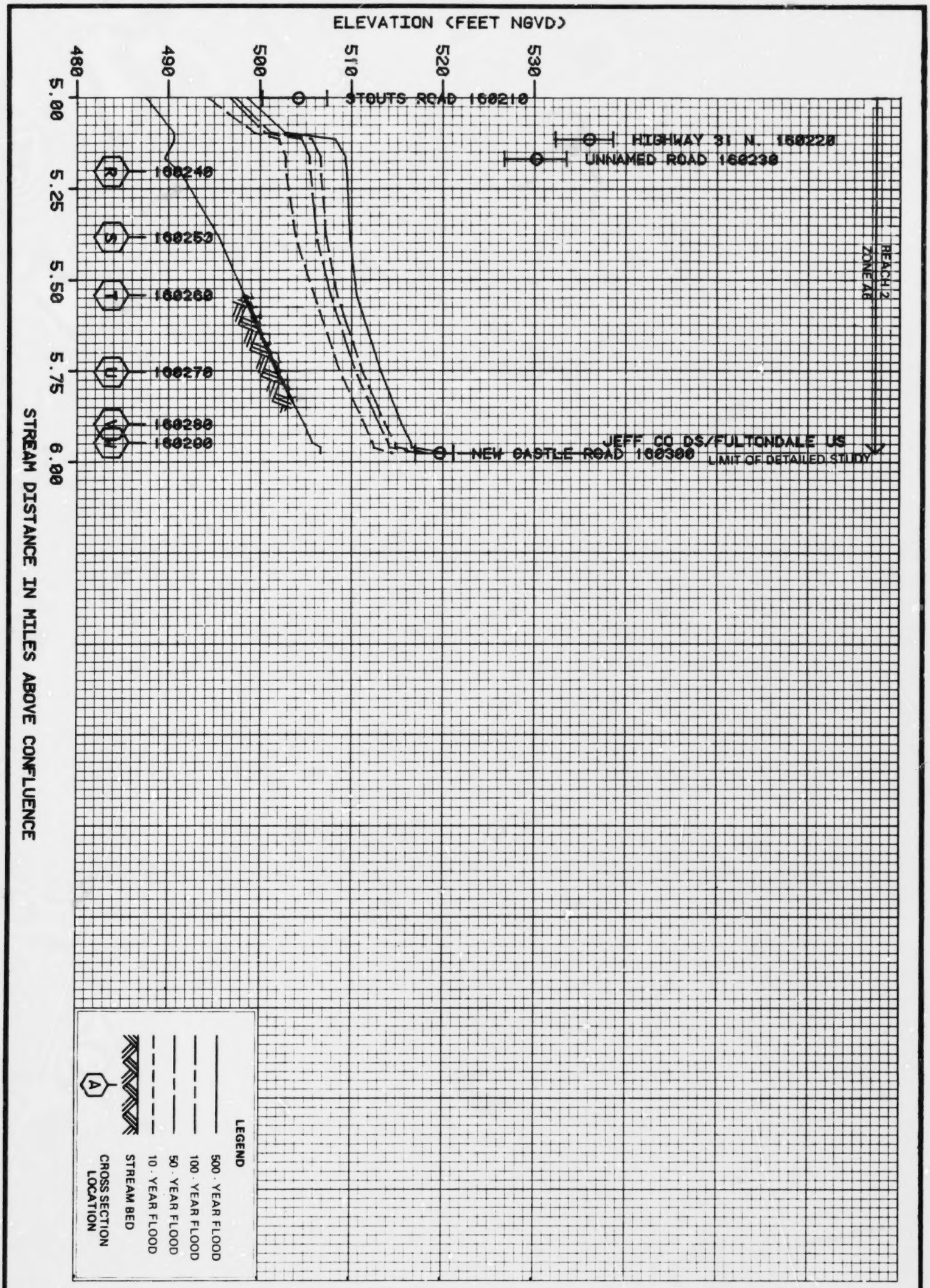


FEDERAL EMERGENCY MANAGEMENT AGENCY

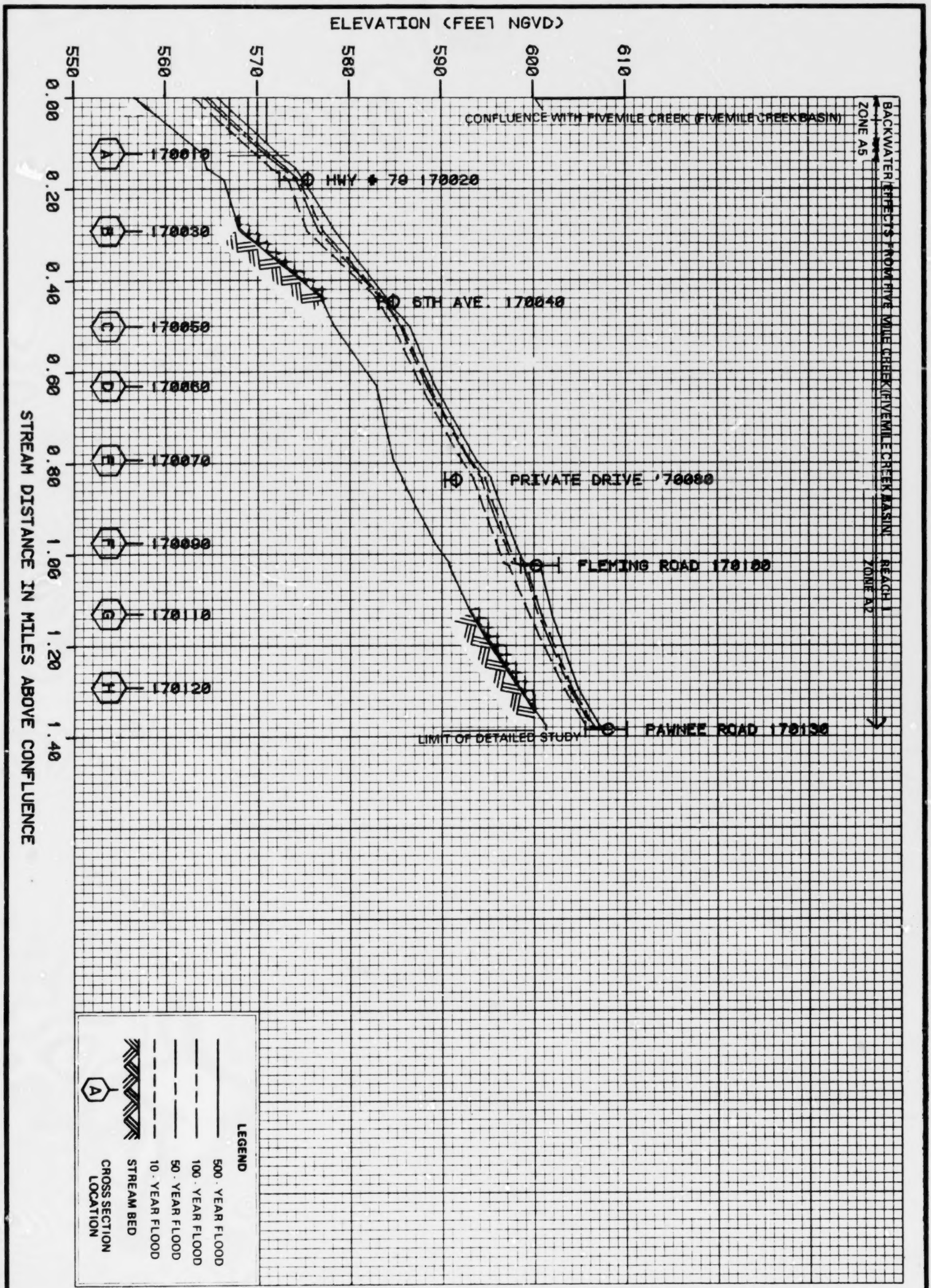
JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

FLOOD PROFILES

BLACK CREEK (FIVEMILE CREEK BASIN)



44P	FEDERAL EMERGENCY MANAGEMENT AGENCY JEFFERSON COUNTY, AL (UNINCORPORATED AREAS)	FLOOD PROFILES BLACK CREEK (FIVEMILE CREEK BASIN)



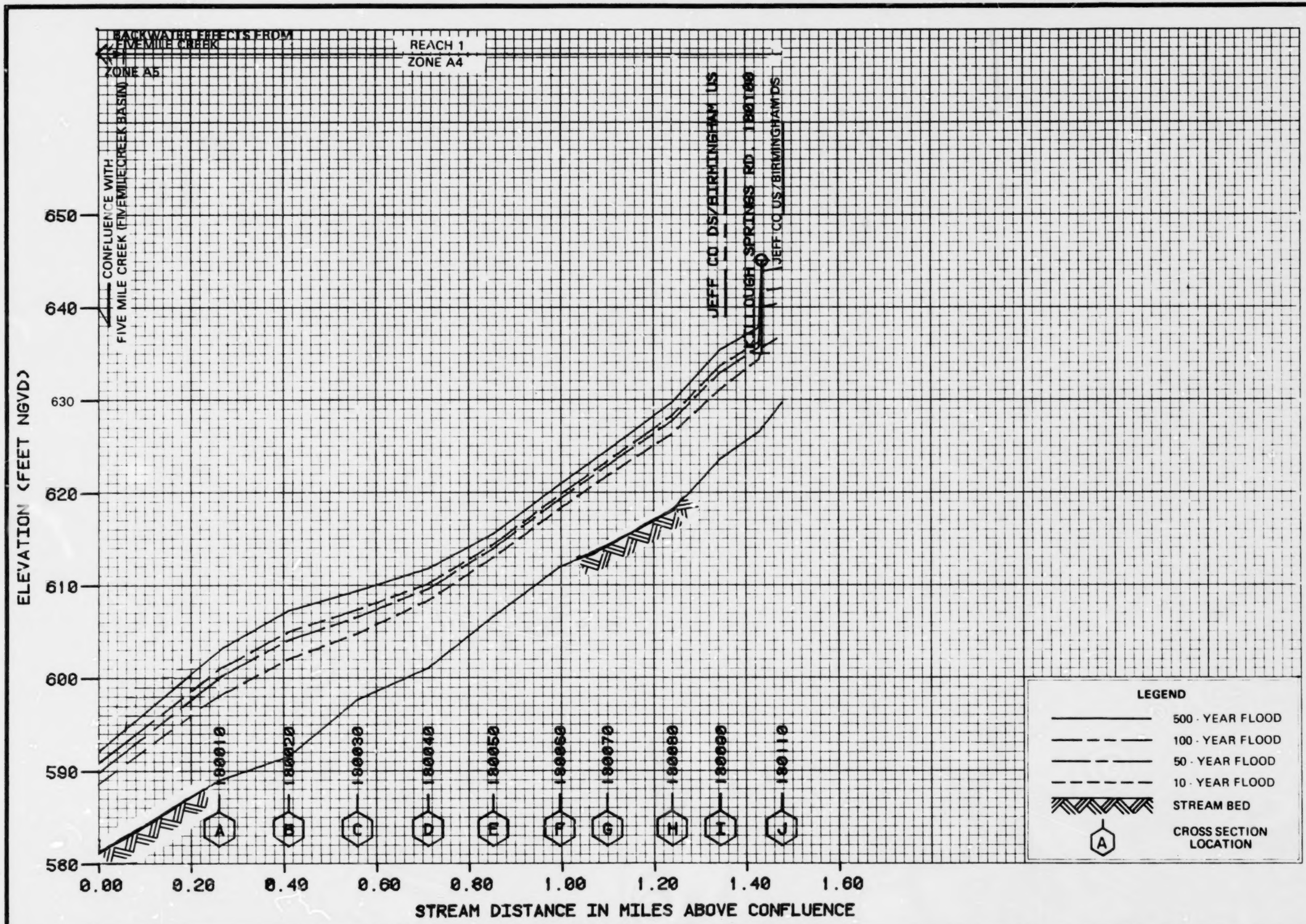
45P

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

FLOOD PROFILES

BARTON BRANCH



FLOOD PROFILES

TARRANT SPRINGS BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

46P

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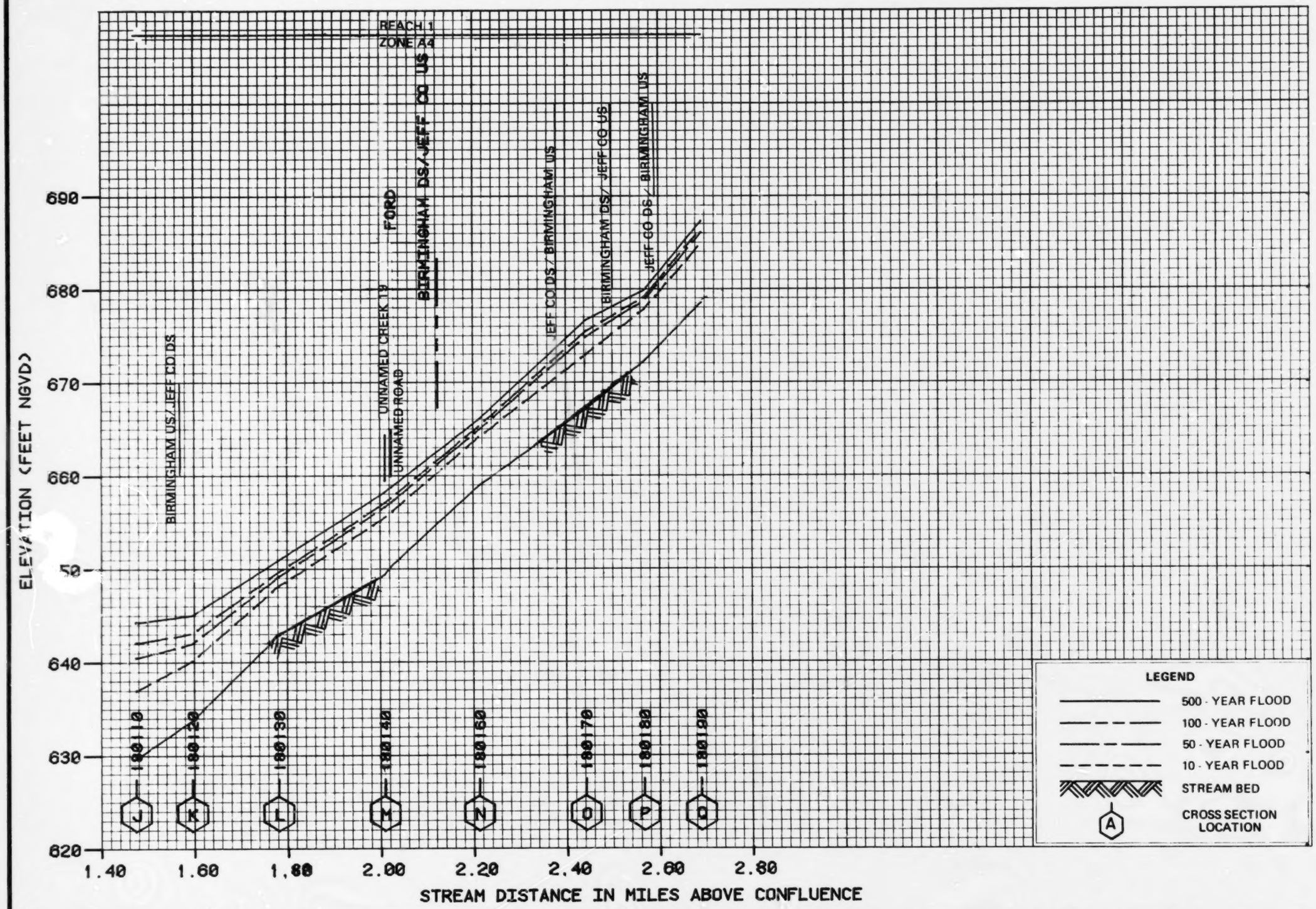

FLOOD PROFILES

TARRANT SPRINGS BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

47P

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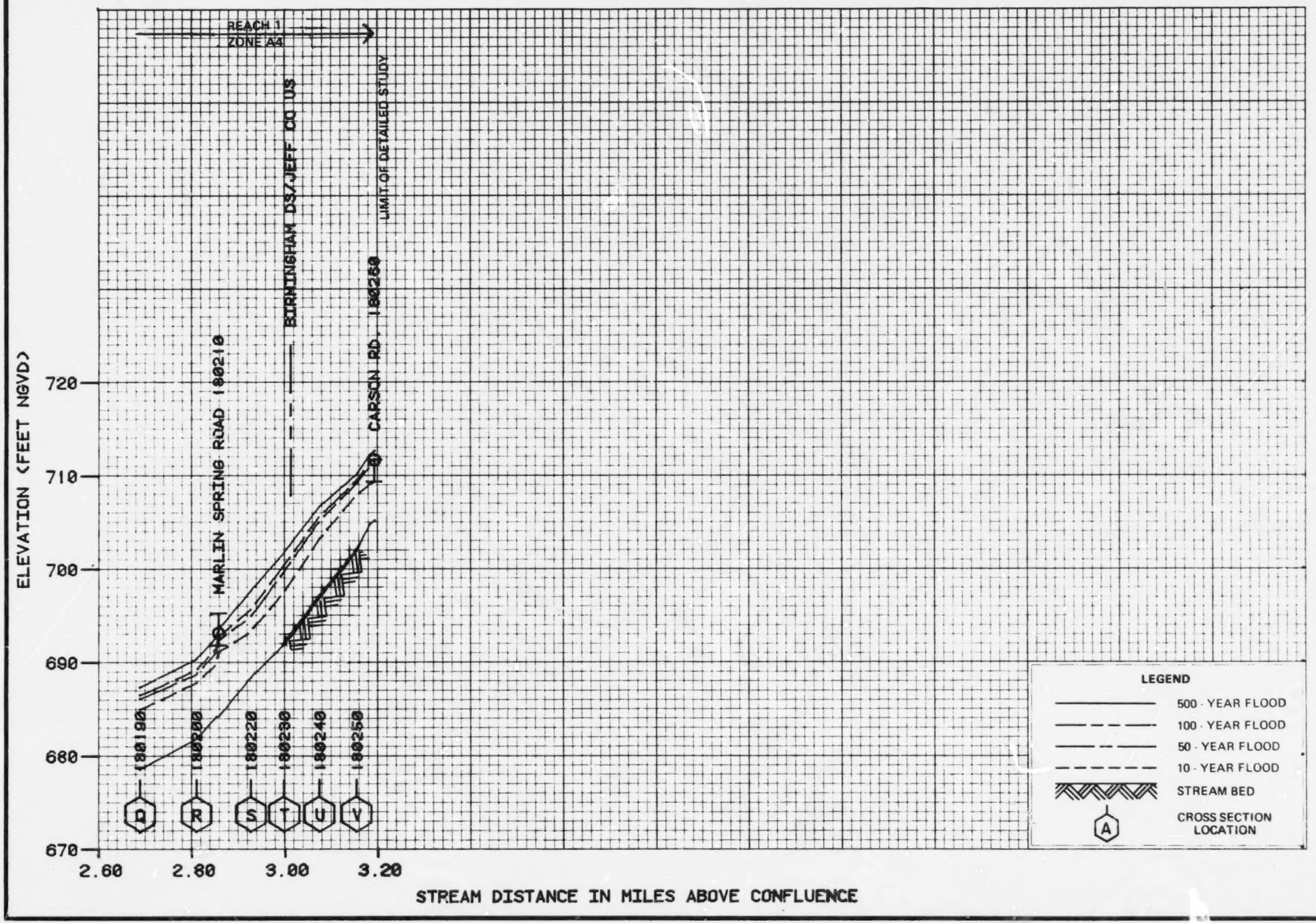


FLOOD PROFILES

TARRANT SPRINGS BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

48P

BEST COPY AVAILABLE

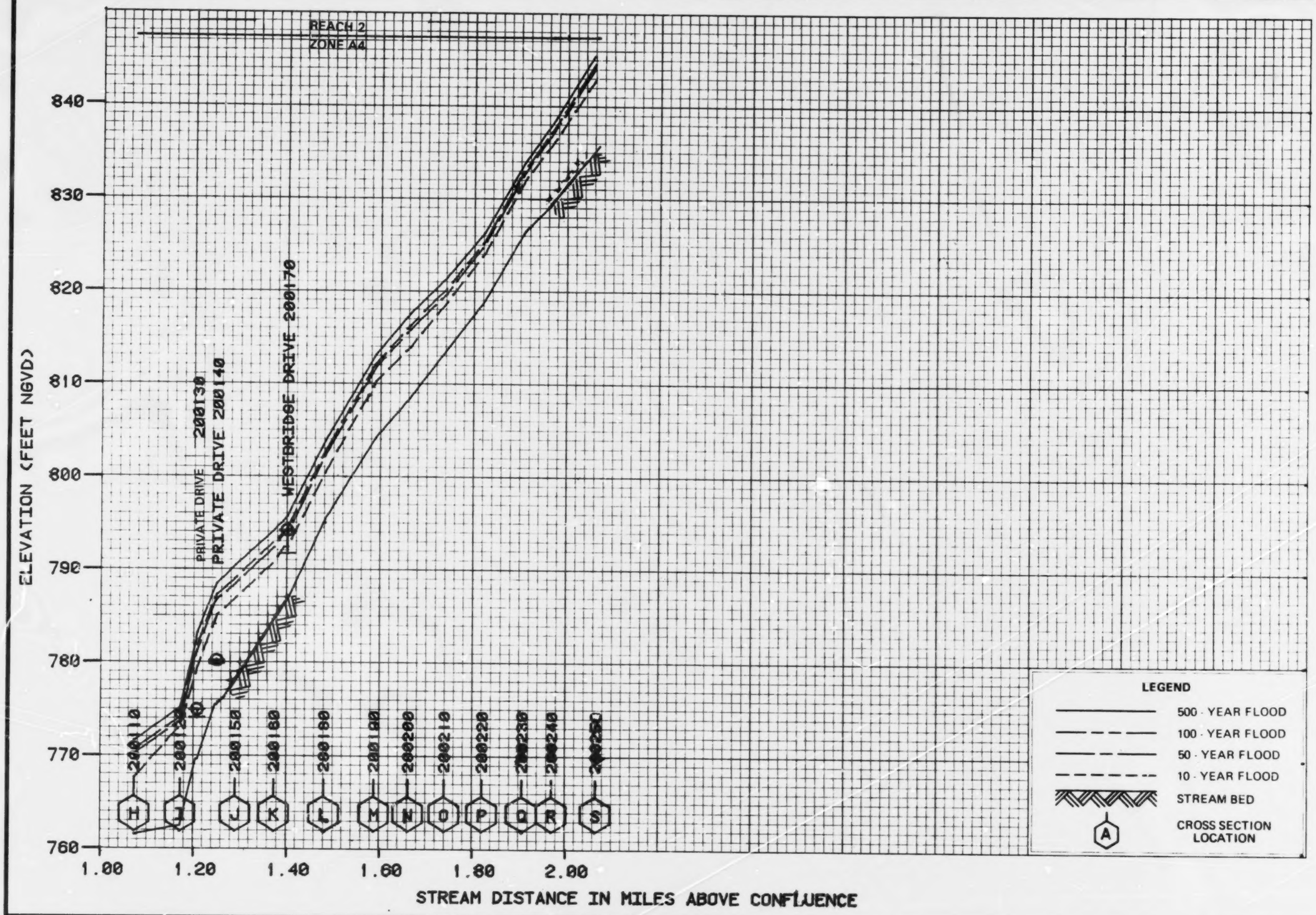
FLOOD PROFILES

DRY CREEK (FIVEMILE CREEK BASIN)

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

49P



FLOOD PROFILES

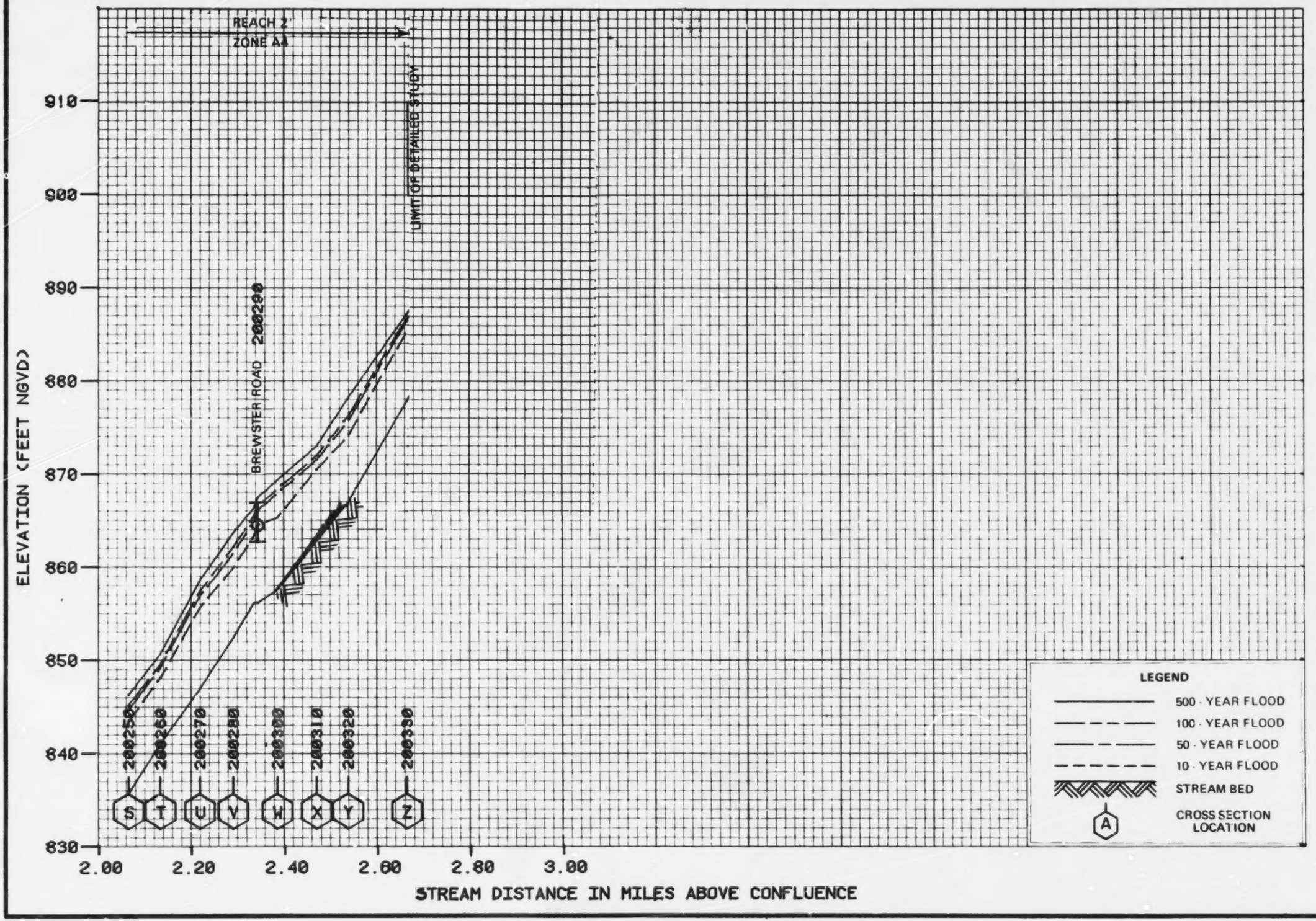
DRY CREEK (FIVEMILE CREEK BASIN)

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

50P

184



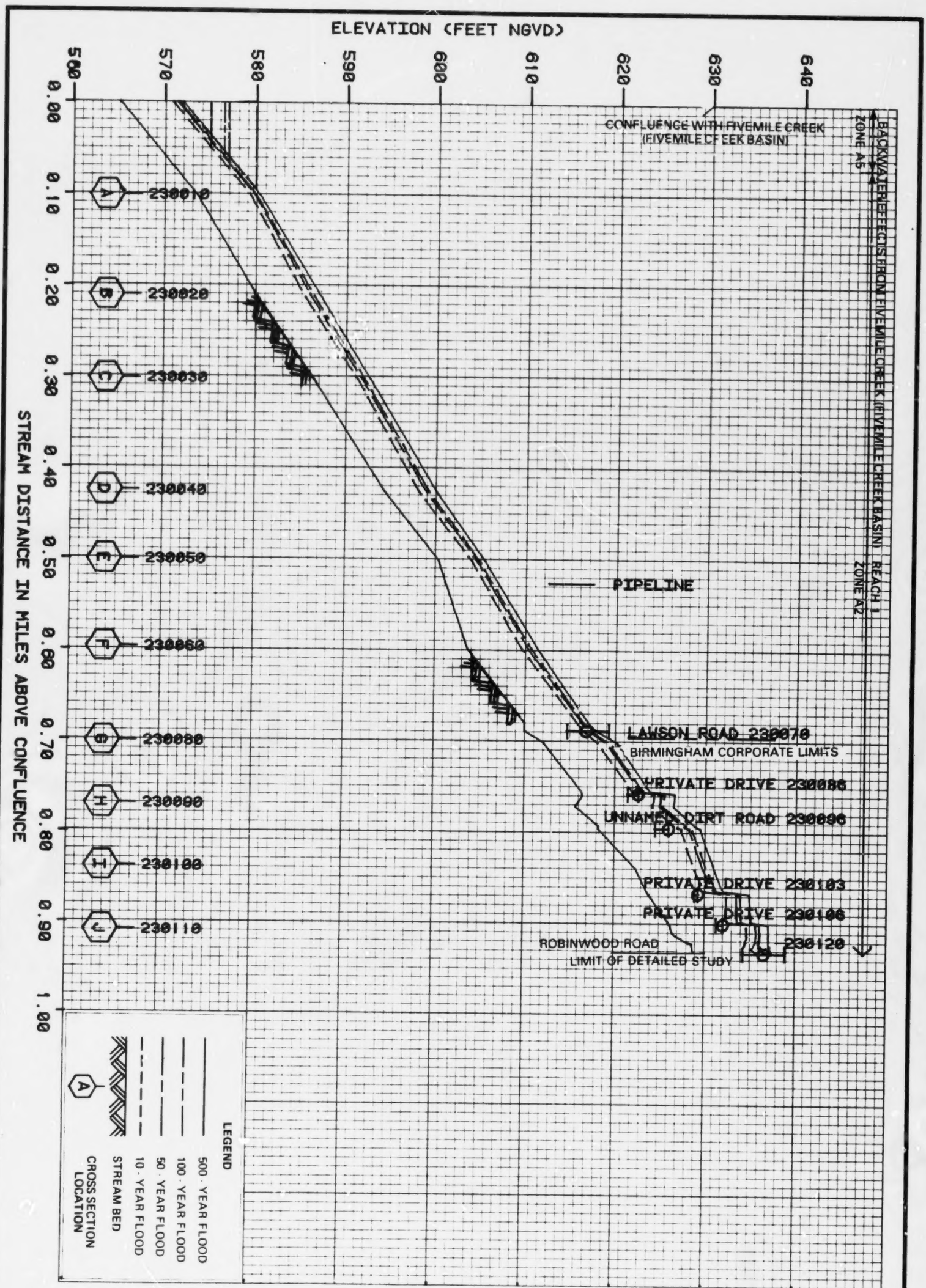
FLOOD PROFILES

DRY CREEK (FIVEMILE CREEK BASIN)

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

51P

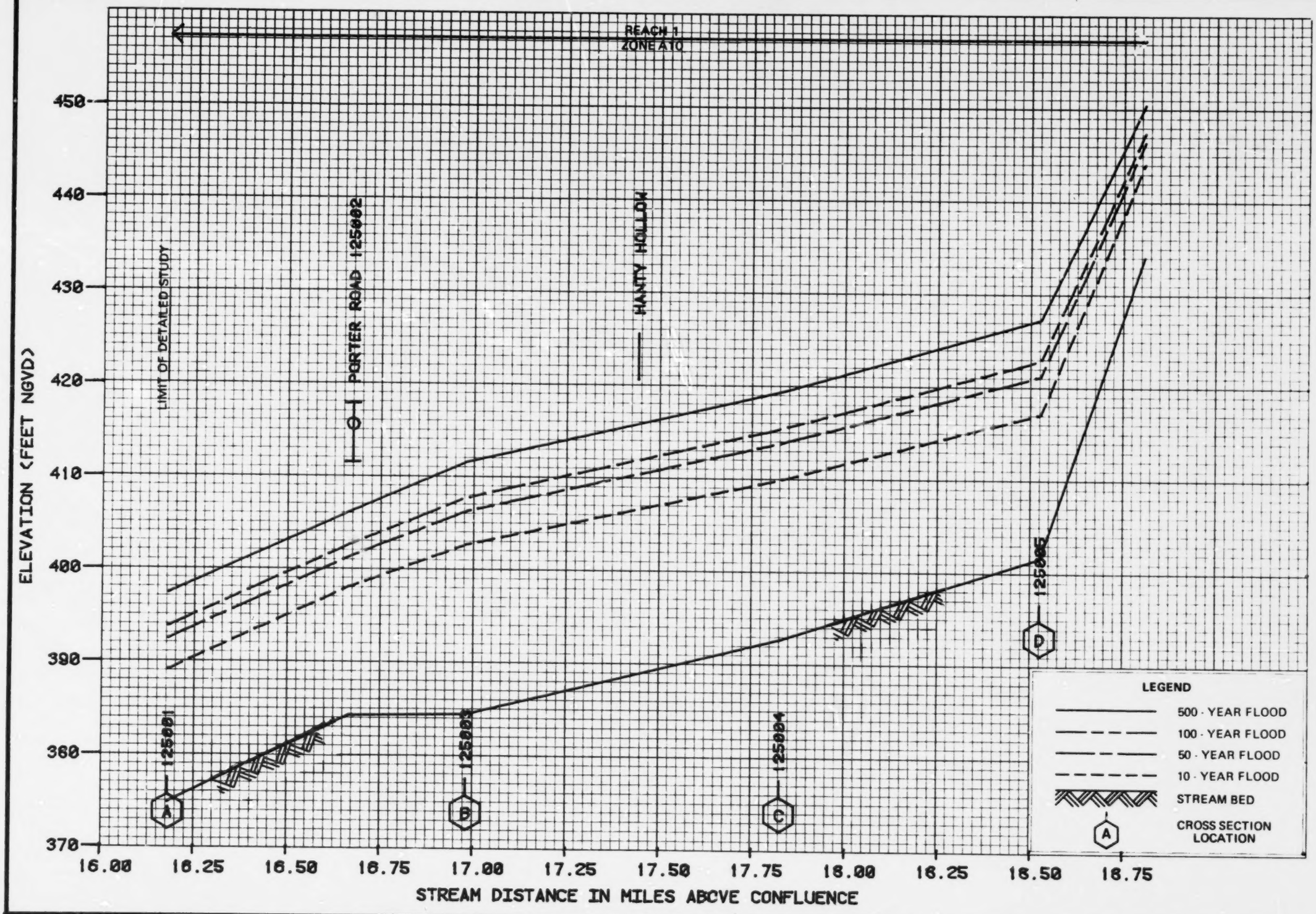


FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

FLOOD PROFILES

UNNAMED CREEK 23



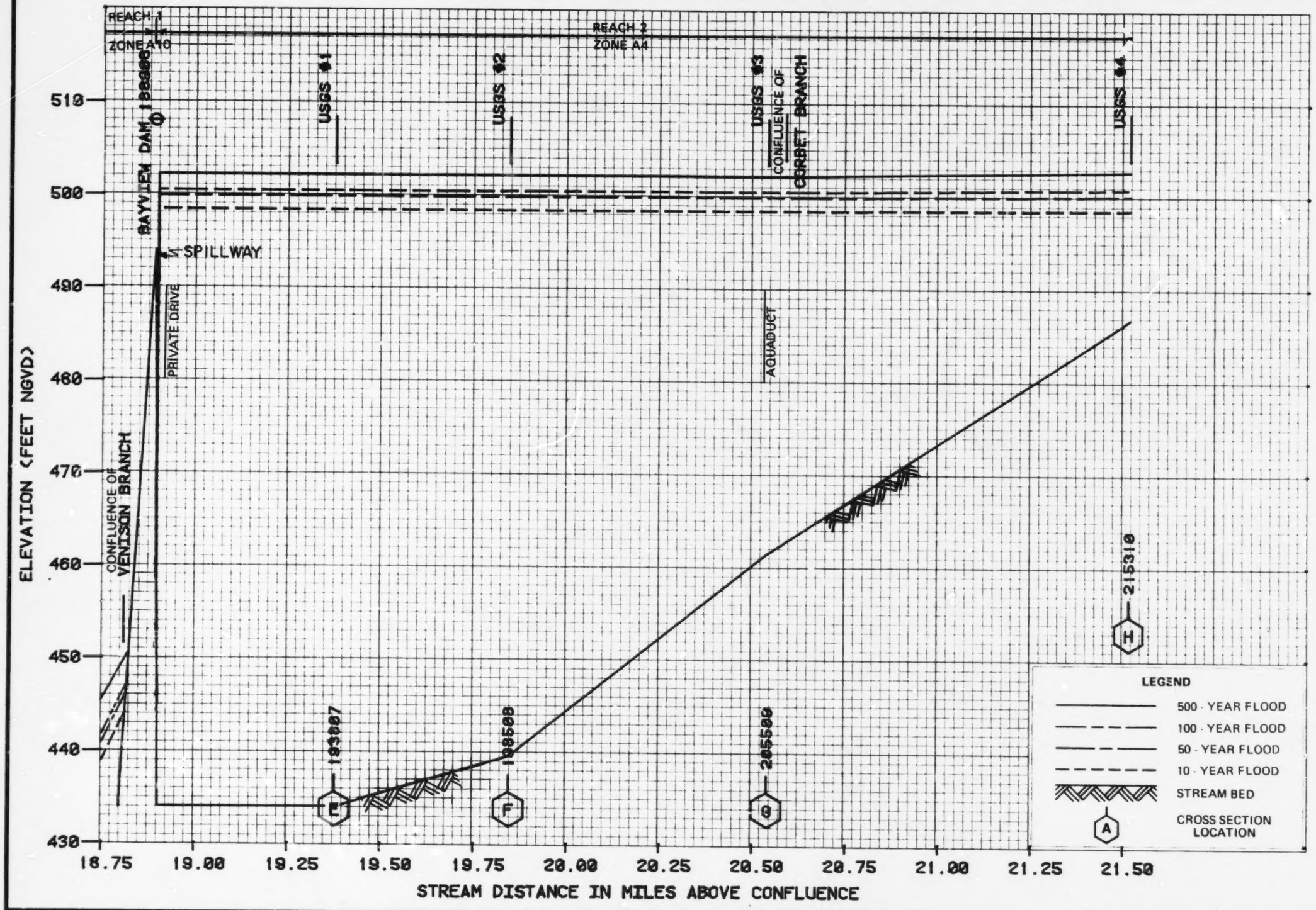
FLOOD PROFILES

VILLAGE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

53P



FLOOD PROFILES

VILLAGE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

54P

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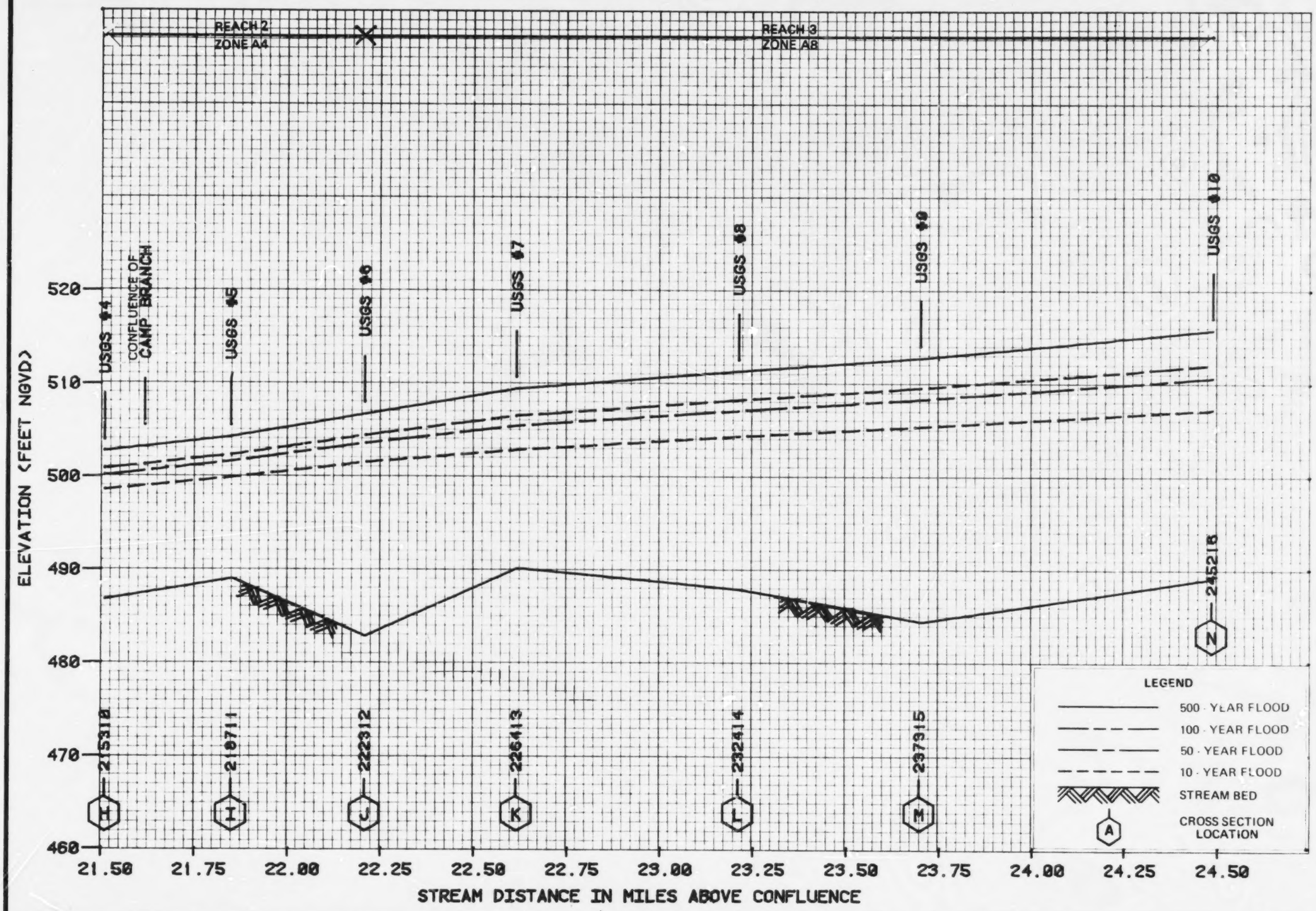

FLOOD PROFILES

VILLAGE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

55P

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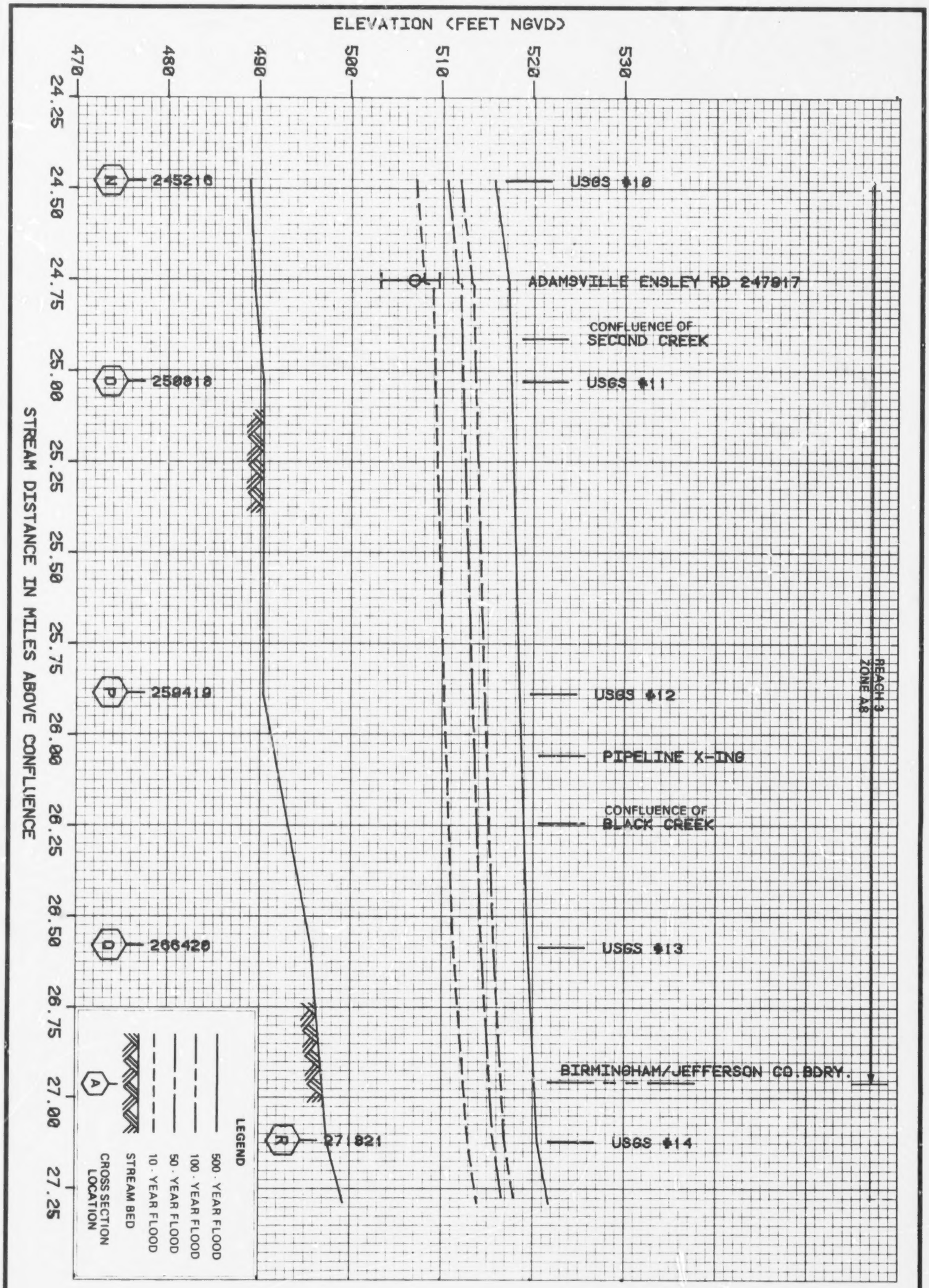


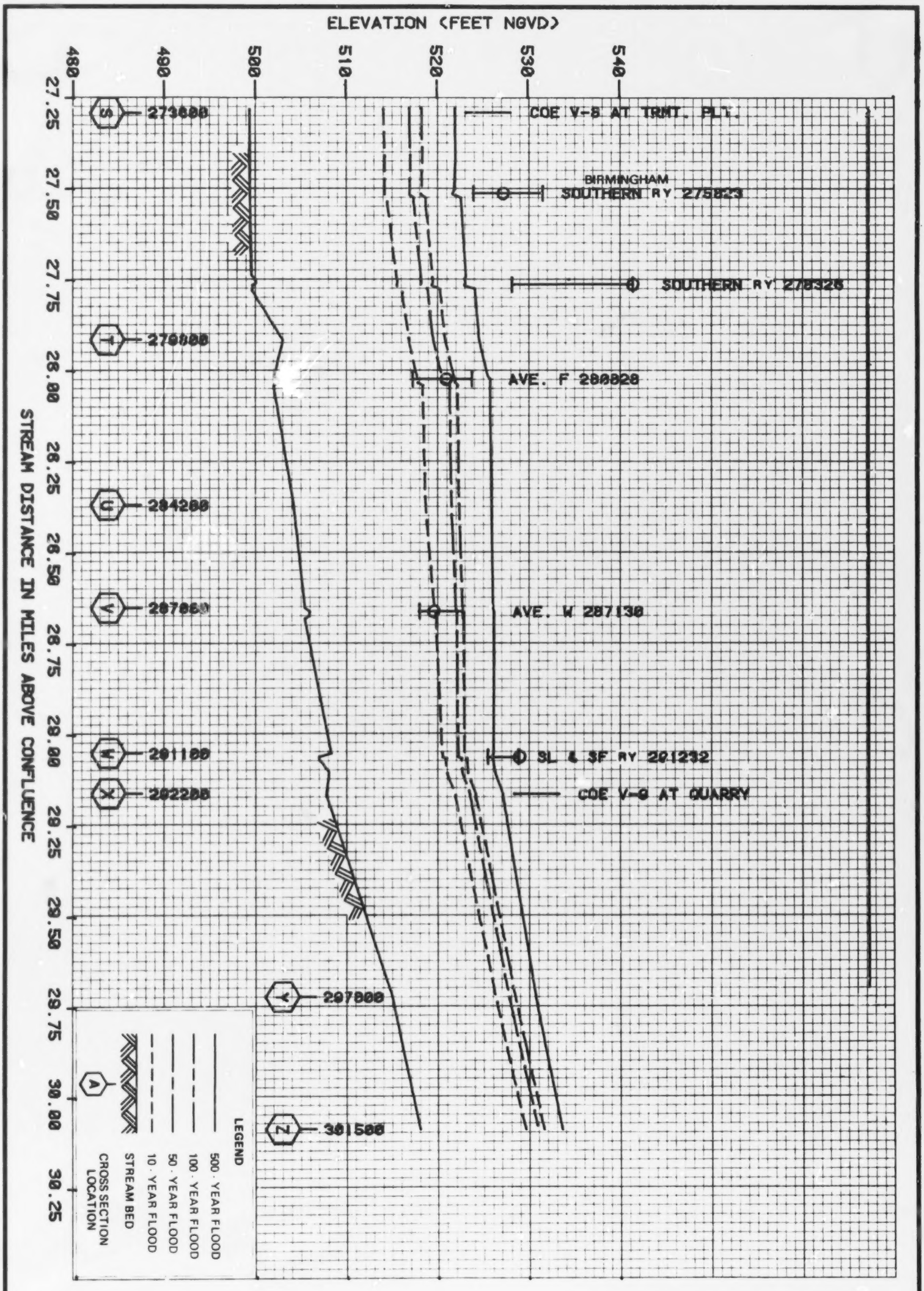
FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

FLOOD PROFILES

VILLAGE CREEK

56P



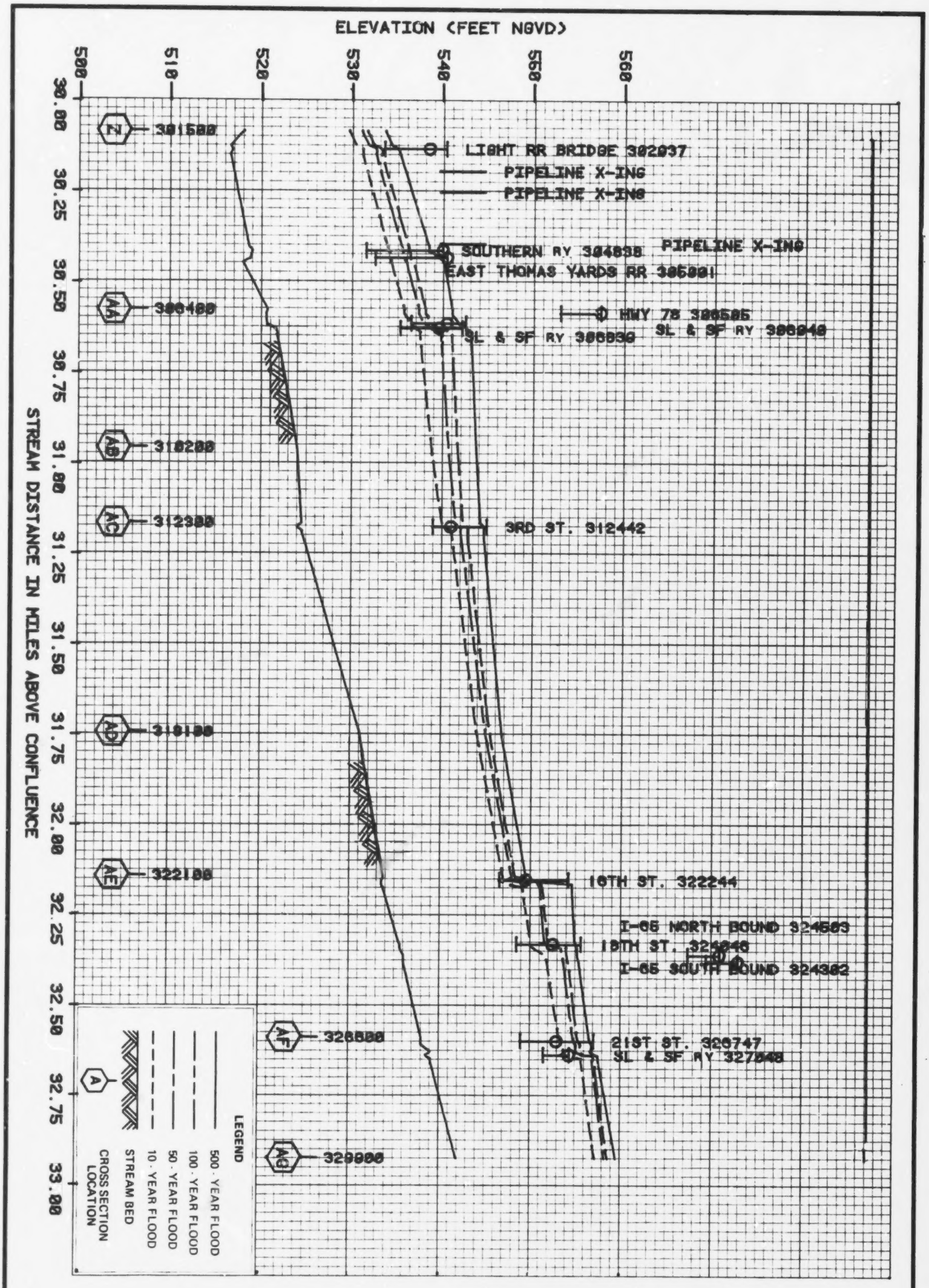
FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

FLOOD PROFILES

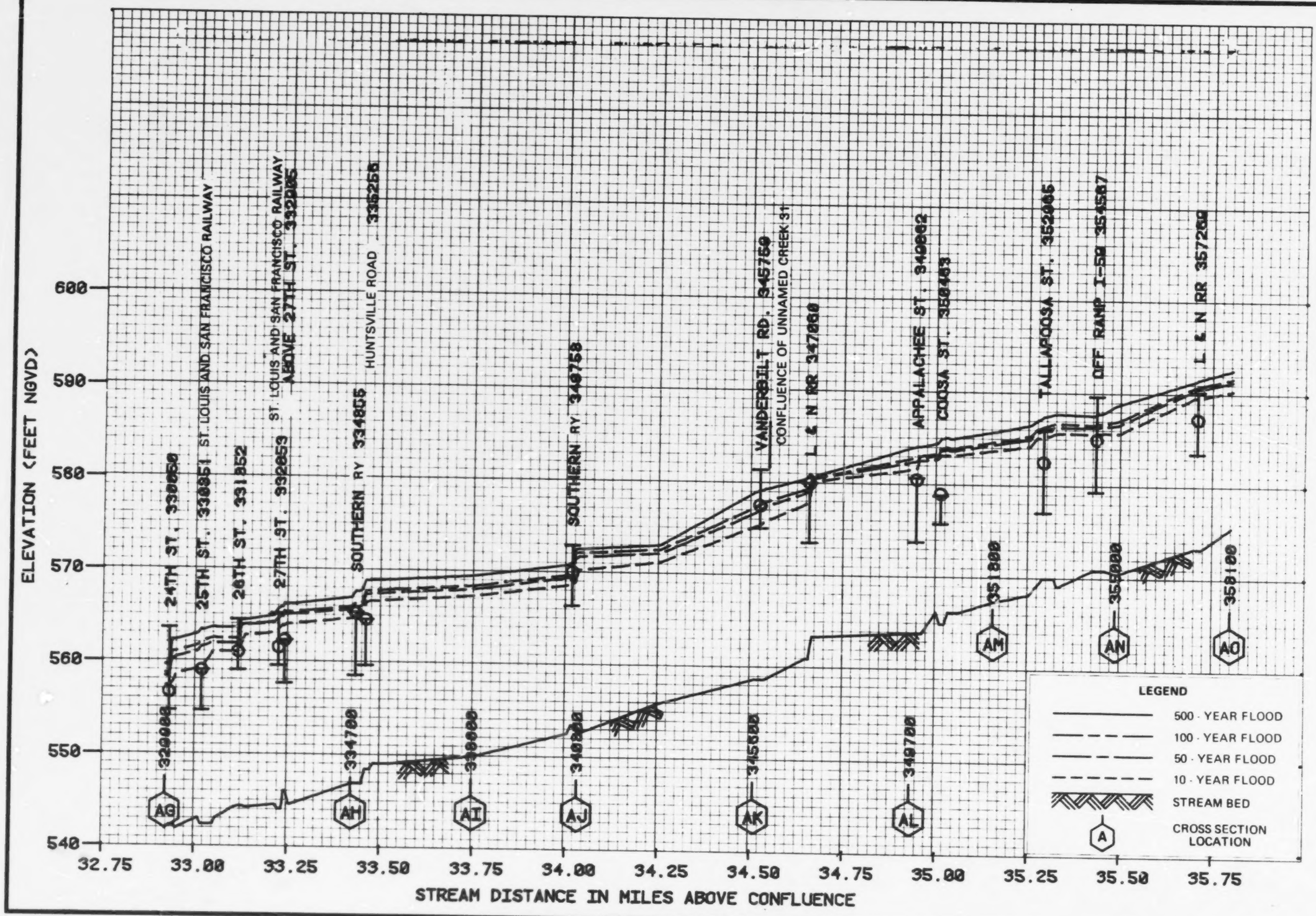
VILLAGE CREEK

57P



193

58P	FEDERAL EMERGENCY MANAGEMENT AGENCY JEFFERSON COUNTY, AL (UNINCORPORATED AREAS)	FLOOD PROFILES VILLAGE CREEK



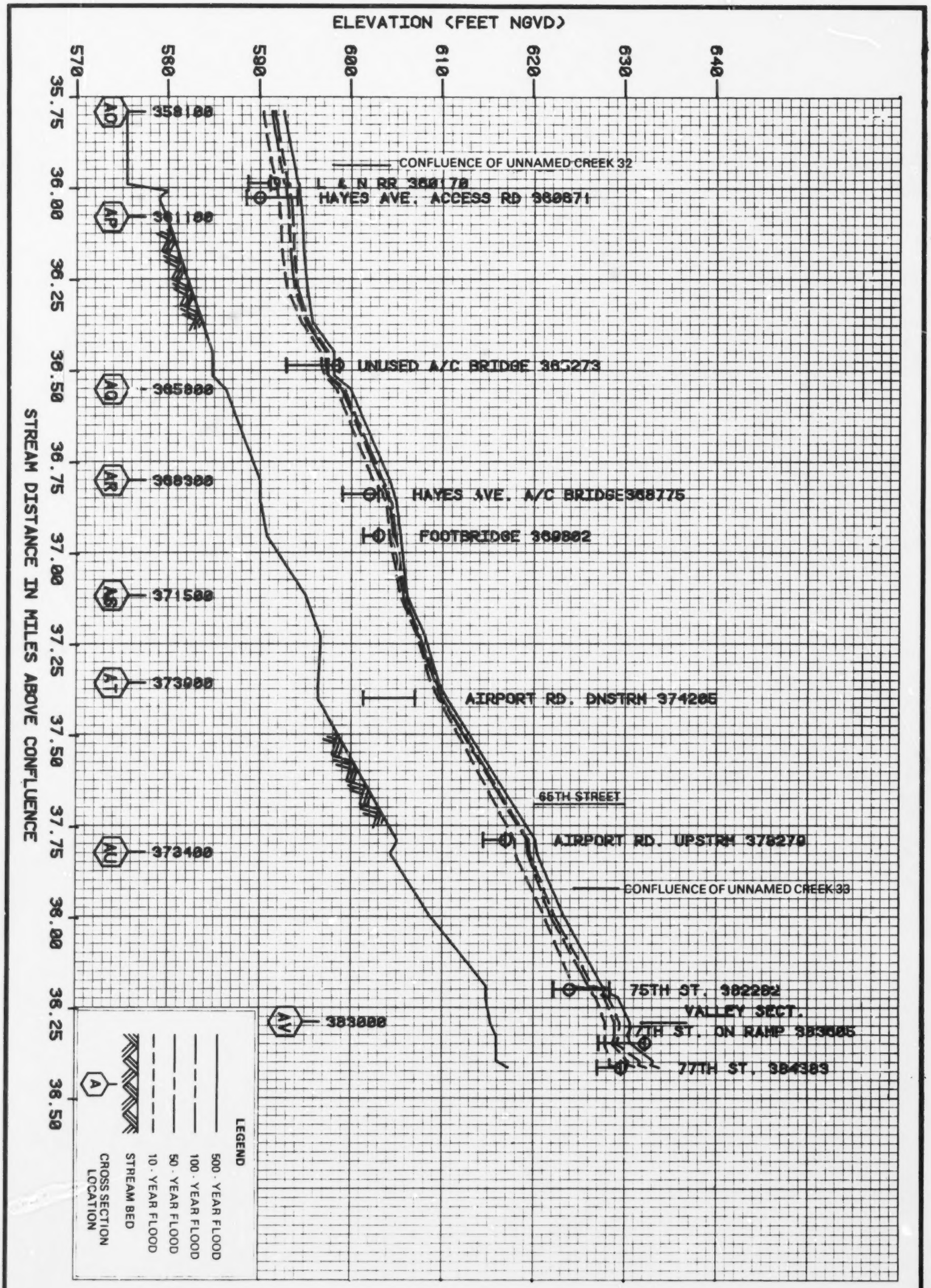
FLOOD PROFILES

VILLAGE CREEK

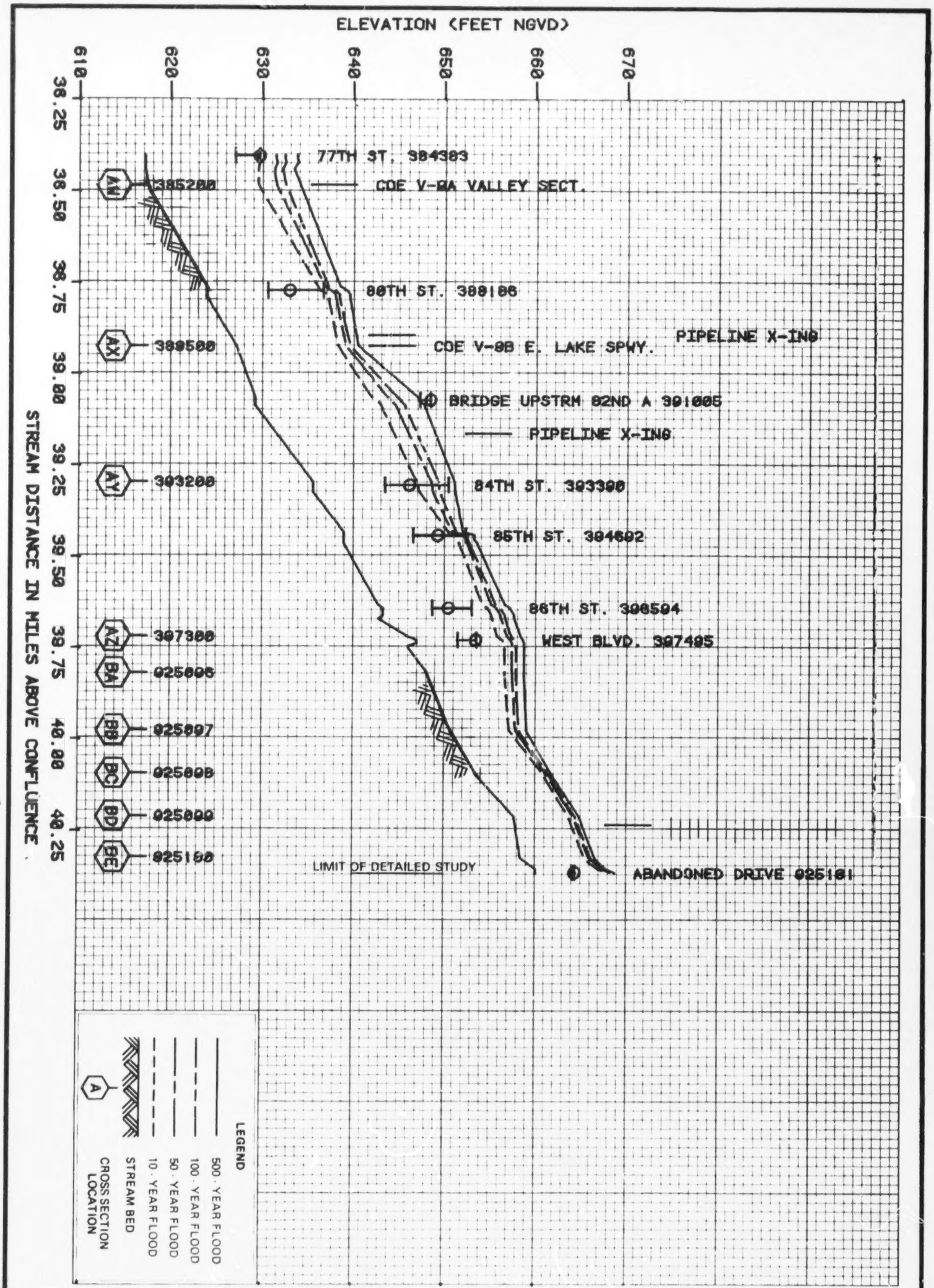
FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

59P

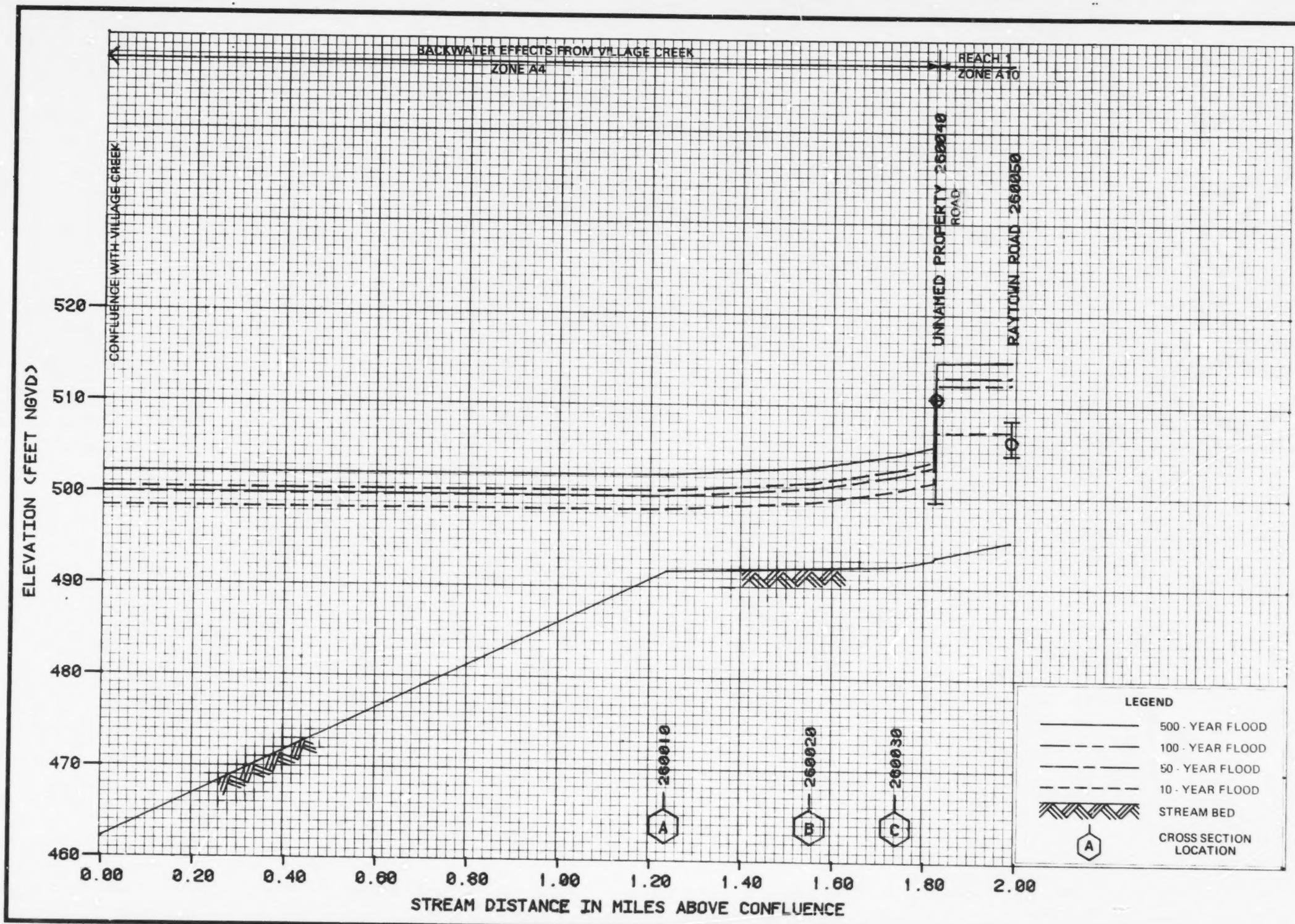


60P	FEDERAL EMERGENCY MANAGEMENT AGENCY **JEFFERSON COUNTY, AL** (UNINCORPORATED AREAS)	**FLOOD PROFILES** **VILLAGE CREEK**



195

61P	FEDERAL EMERGENCY MANAGEMENT AGENCY JEFFERSON COUNTY, AL (UNINCORPORATED AREAS)	FLOOD PROFILES VILLAGE CREEK



FLOOD PROFILES

CORBET BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

62P

REACH 1
ZONE AIO

LIMIT OF DETAILED STUDY

ST L & SF RY 260000

ADAMSVILLE-DOCENA RD 260100

ELEVATION (FEET NGVD)

550
540
530
520
510
500
490

1.80 2.00 2.20 2.40 2.60 2.80 3.00

STREAM DISTANCE IN MILES ABOVE CONFLUENCE

D 260060
E 260070
F 260090
G 260110
H 260120

LEGEND

500 - YEAR FLOOD
100 - YEAR FLOOD
50 - YEAR FLOOD
10 - YEAR FLOOD
STREAM BED
A — CROSS SECTION LOCATION

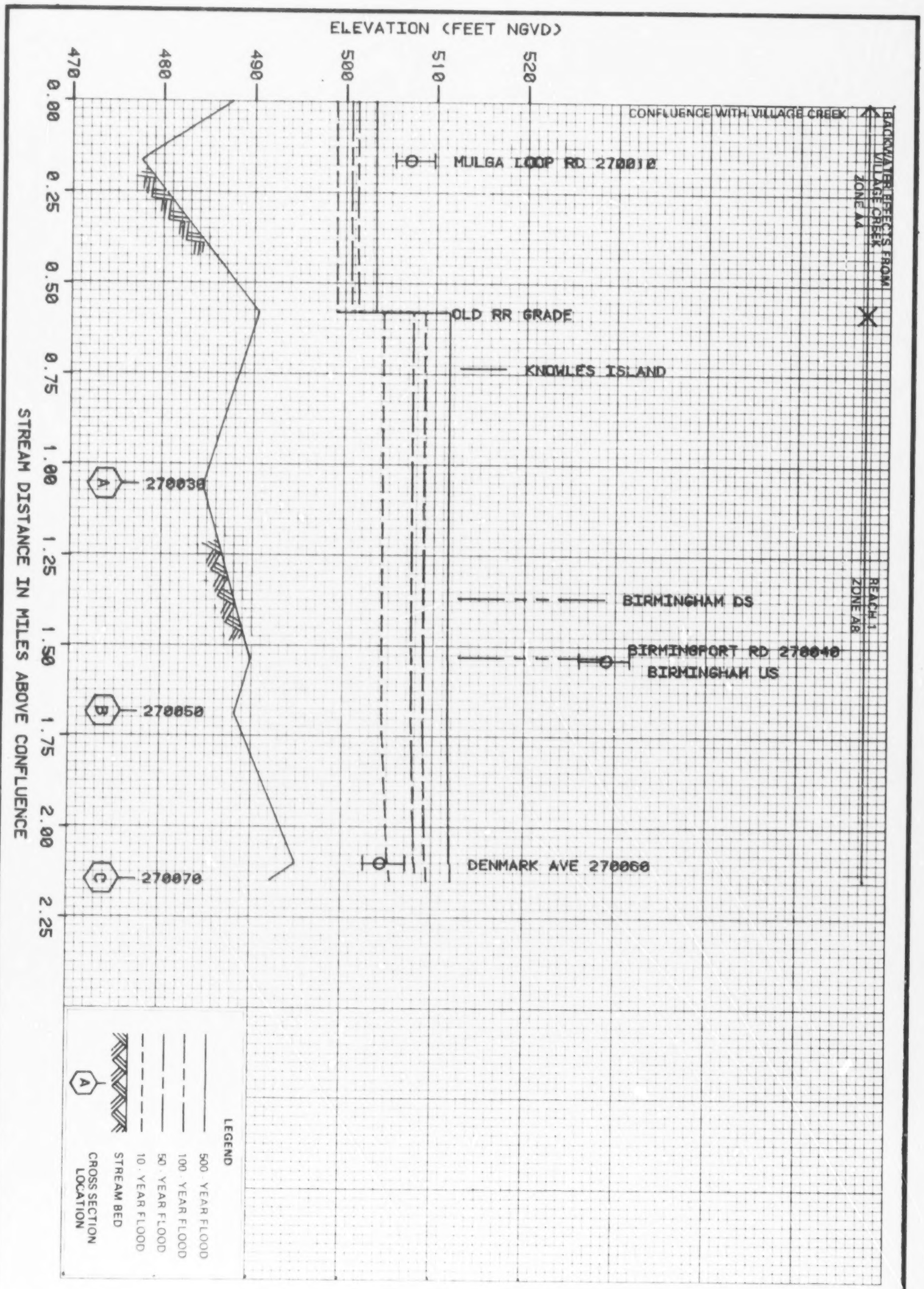
FLOOD PROFILES

CORBET BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

63P



198

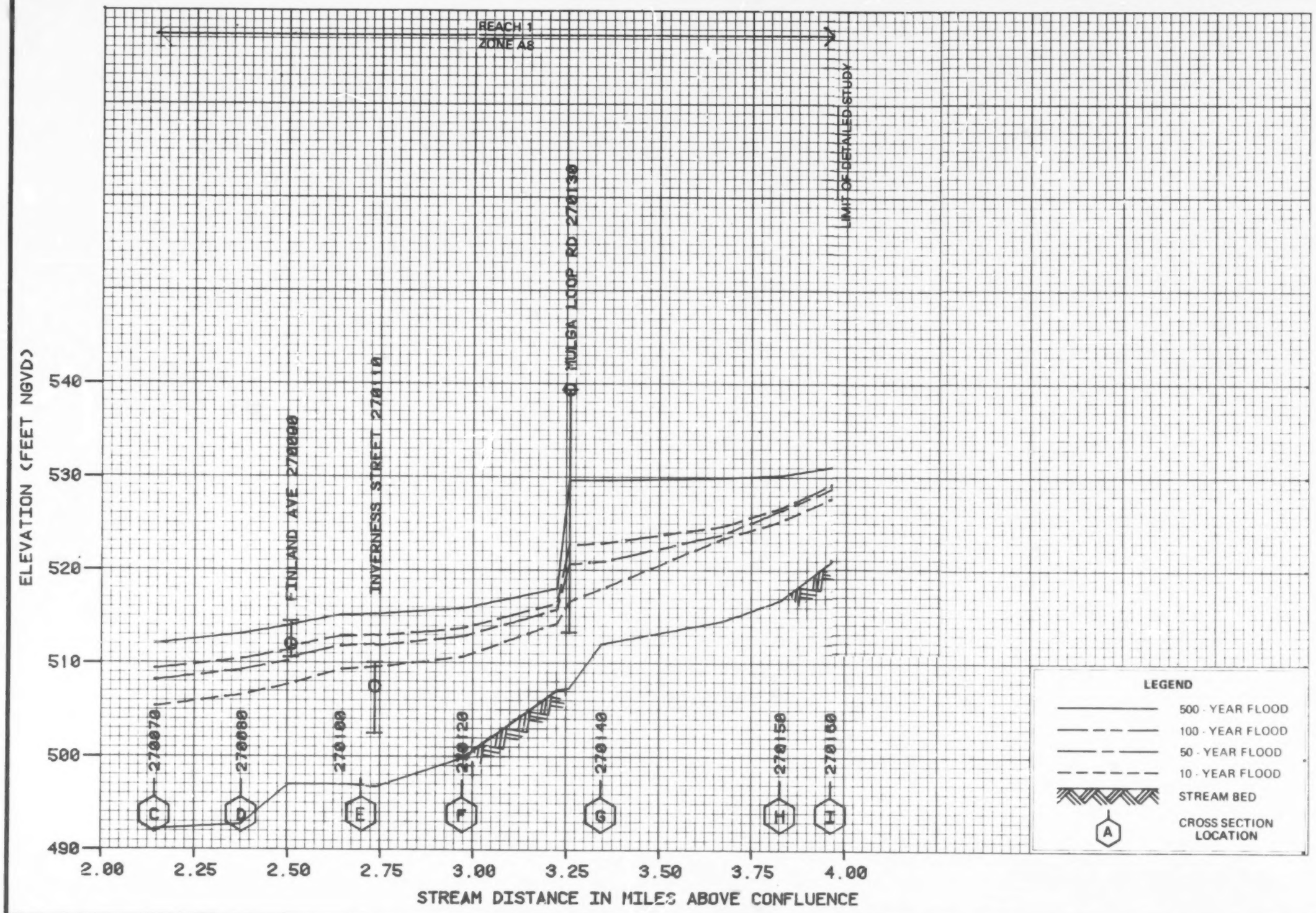
64P

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

FLOOD PROFILES

CAMP BRANCH



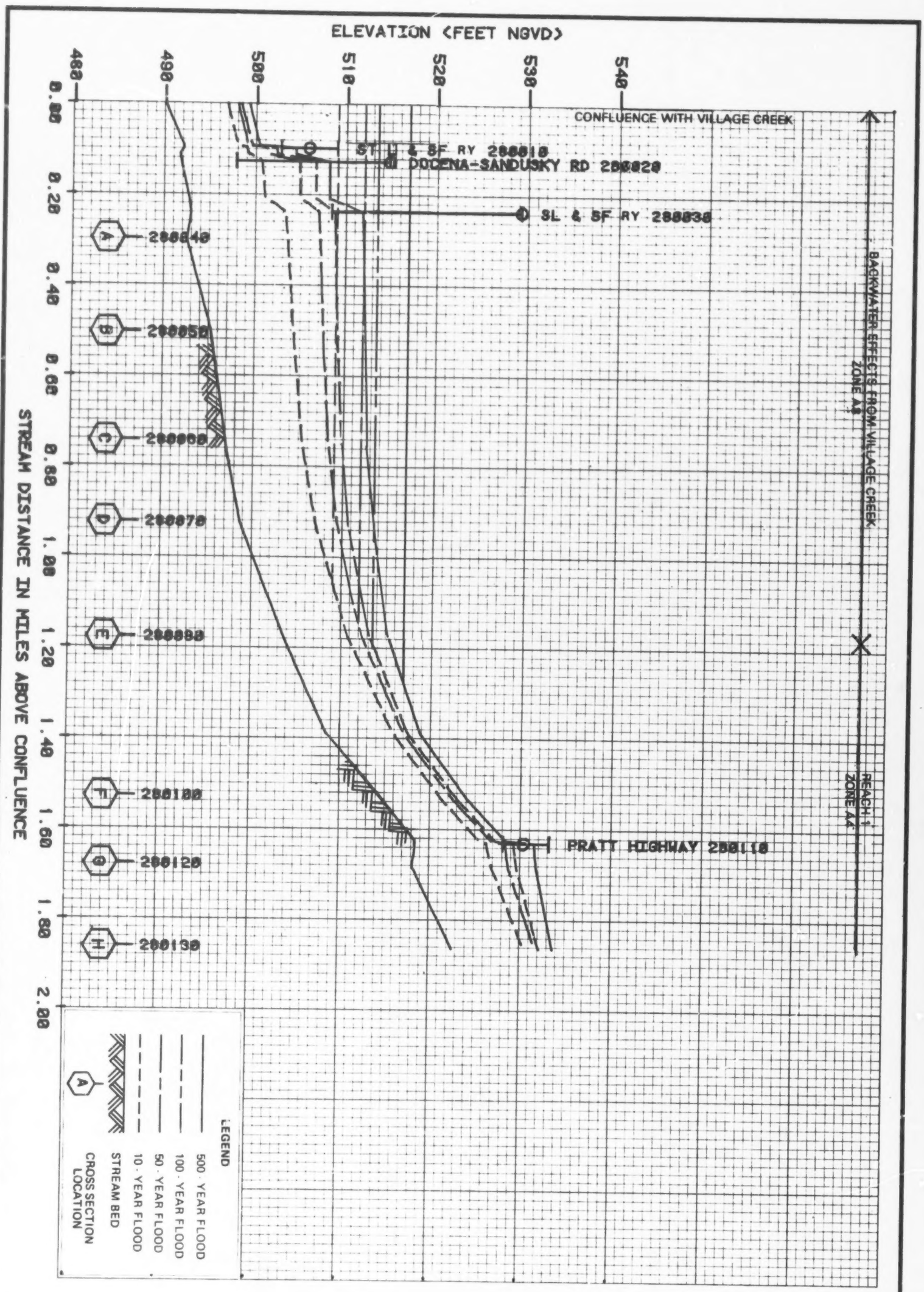
FLOOD PROFILES

CAMP BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

65P



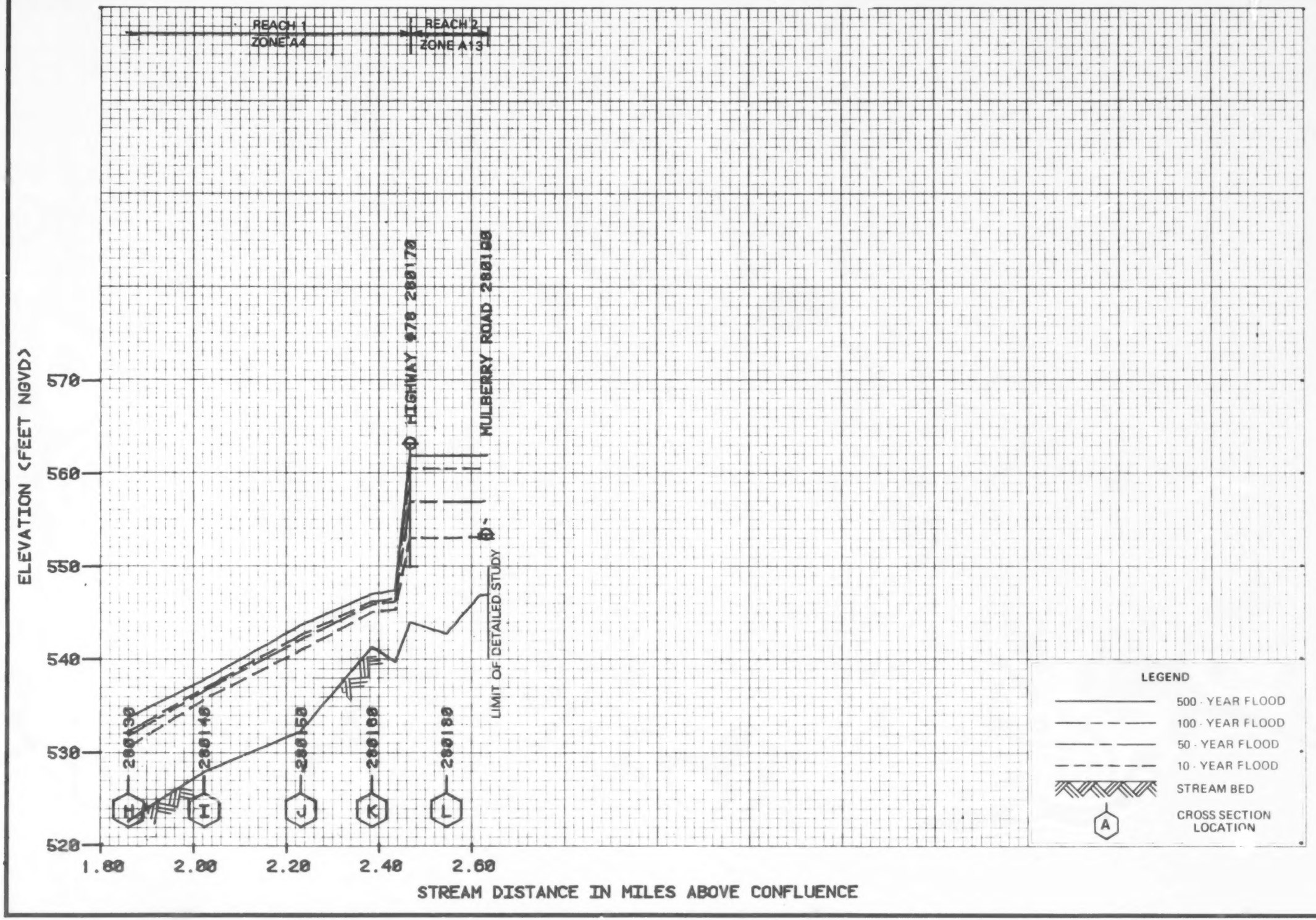
66P

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

FLOOD PROFILES

SECOND CREEK



FLOOD PROFILES

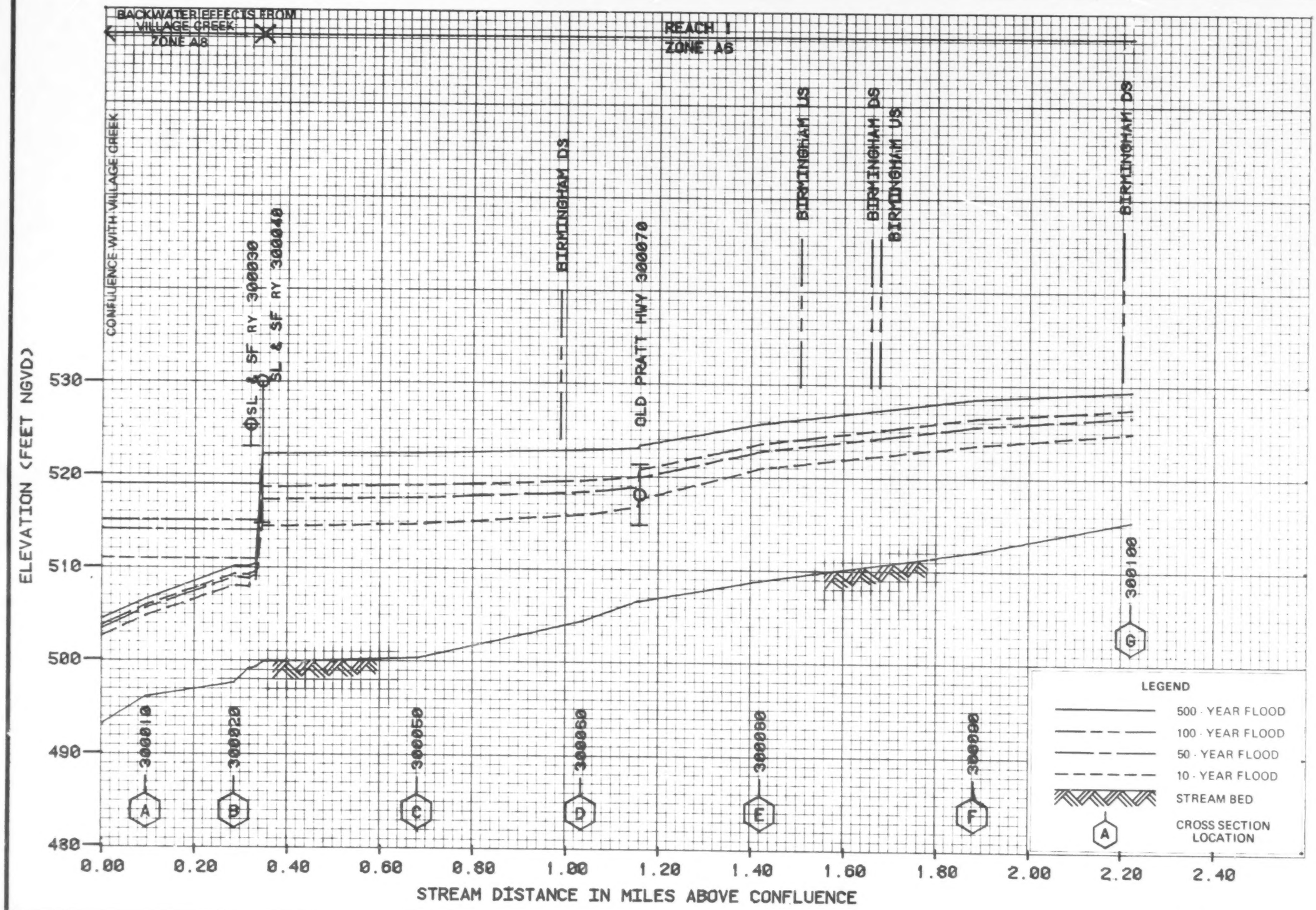
SECOND CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

67P

BEST COPY AVAILABLE



FLOOD PROFILES

BLACK CREEK (VILLAGE CREEK BASIN)

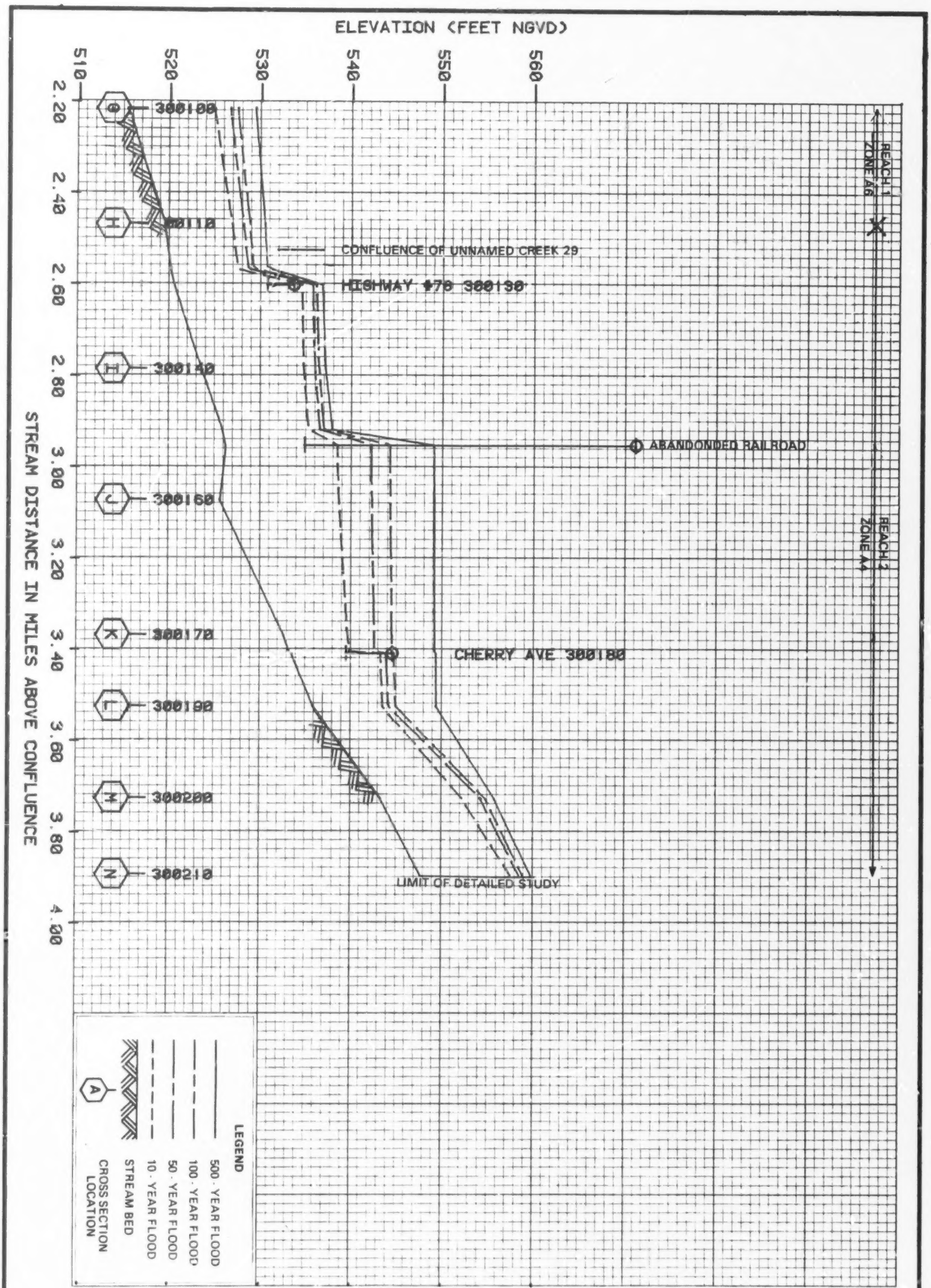
FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL

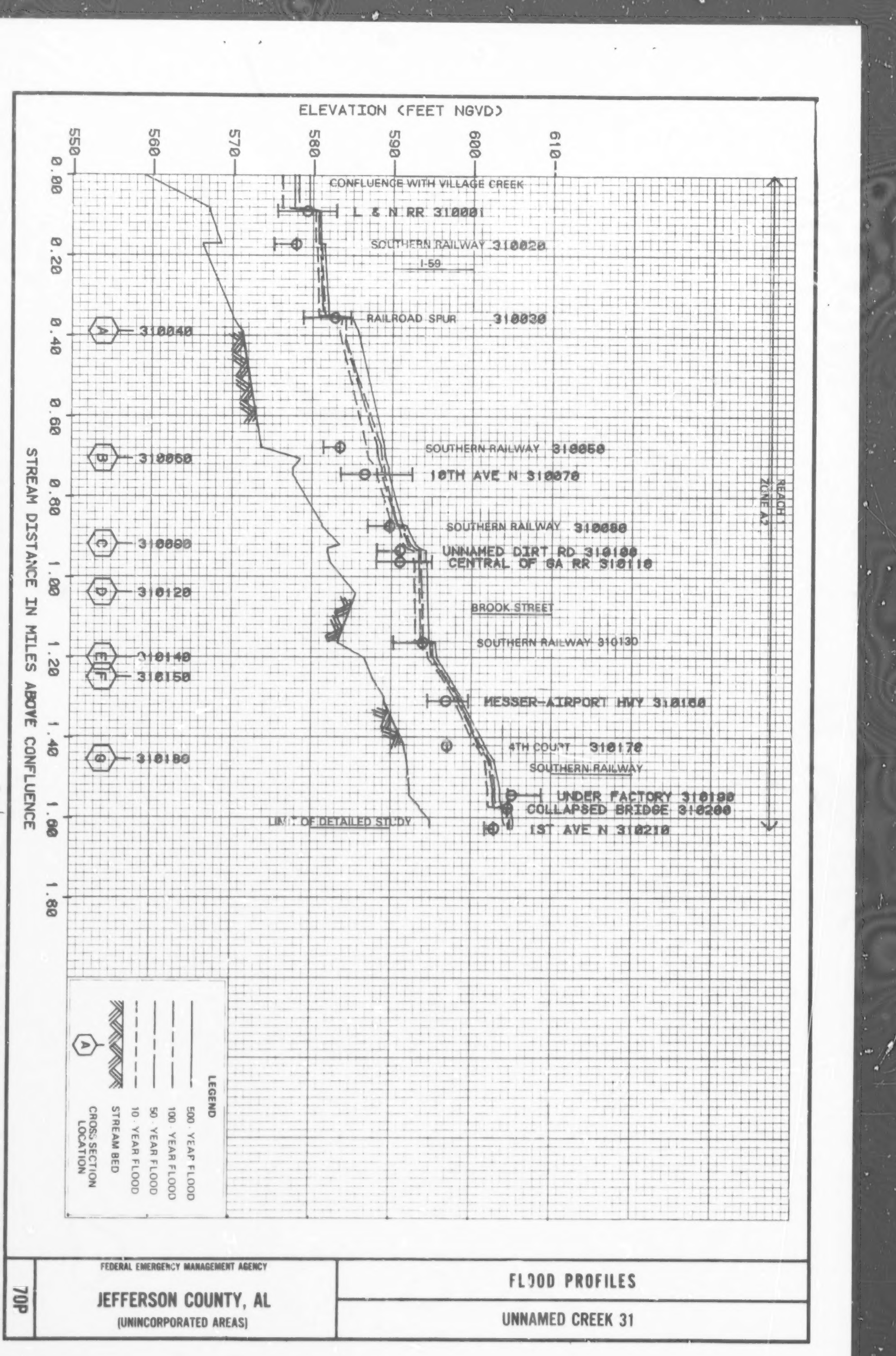
(UNINCORPORATED AREAS)

68P

BEST COPY AVAILABLE



69P	FEDERAL EMERGENCY MANAGEMENT AGENCY JEFFERSON COUNTY, AL (UNINCORPORATED AREAS)	FLOOD PROFILES BLACK CREEK (VILLAGE CREEK BASIN)



70P

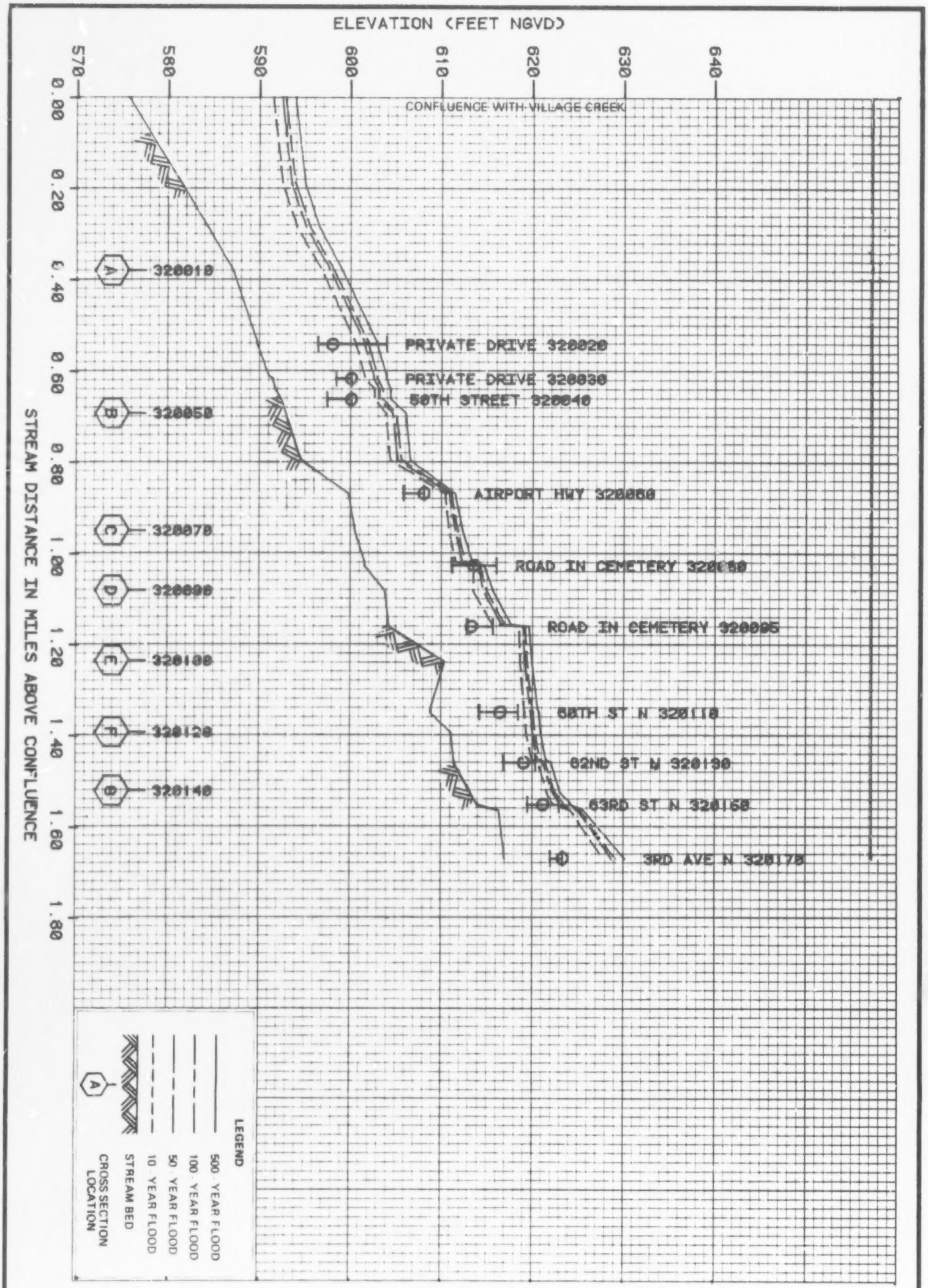
FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL

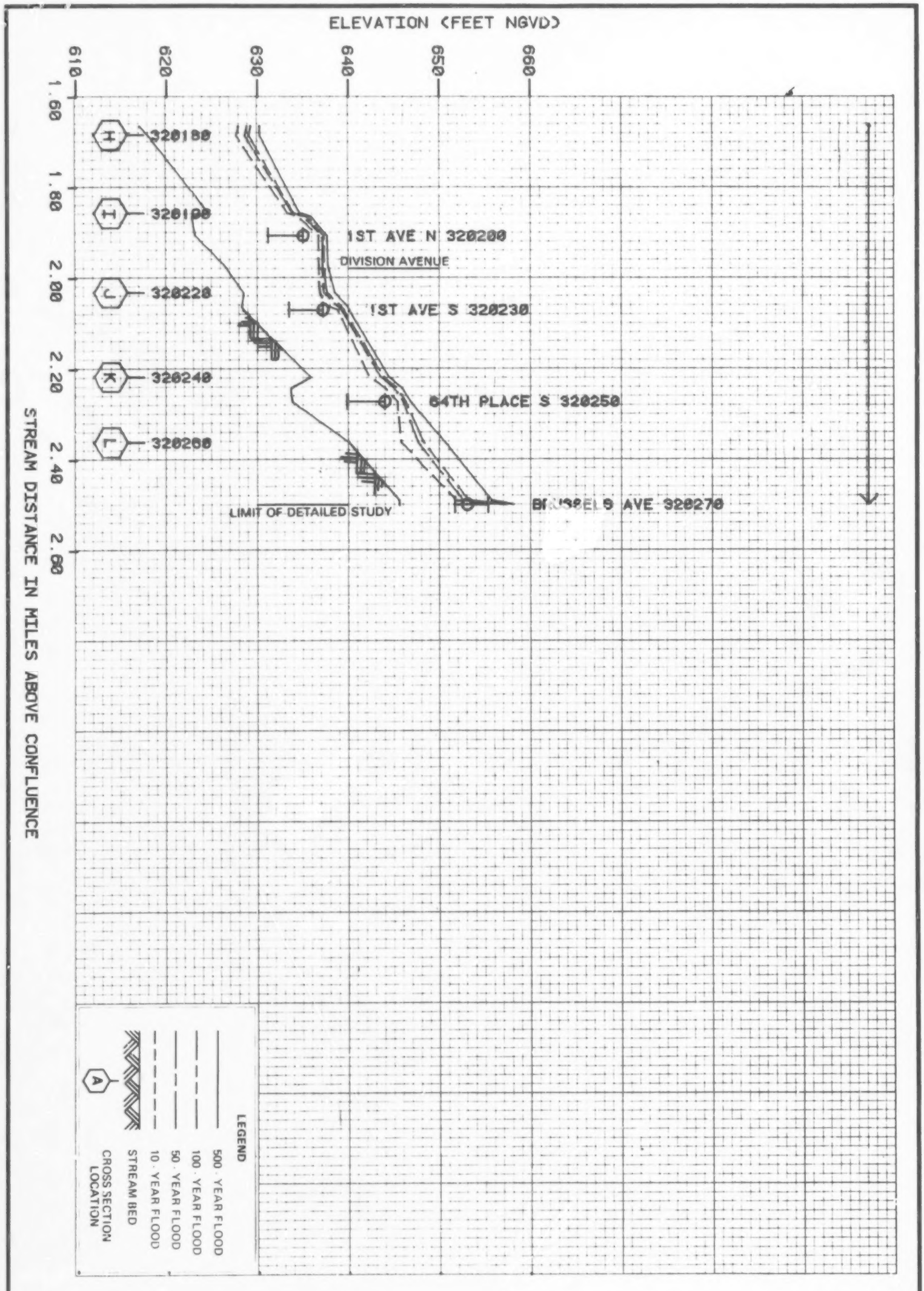
(UNINCORPORATED AREAS)

FLOOD PROFILES

UNNAMED CREEK 31

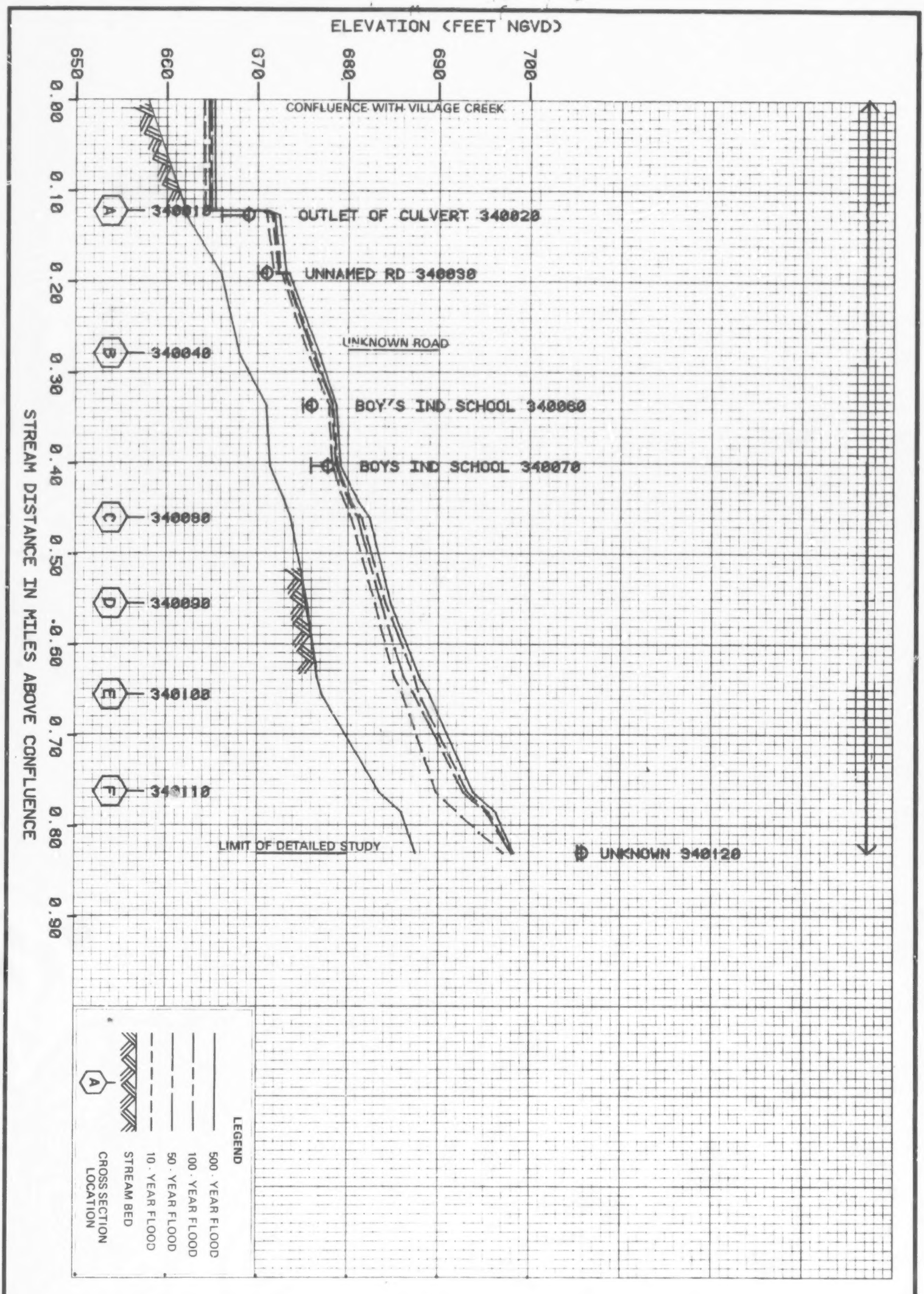


71P	FEDERAL EMERGENCY MANAGEMENT AGENCY JEFFERSON COUNTY, AL (UNINCORPORATED AREAS)	FLOOD PROFILES UNNAMED CREEK 32



206

72P	FEDERAL EMERGENCY MANAGEMENT AGENCY JEFFERSON COUNTY, AL (UNINCORPORATED AREAS)	FLOOD PROFILES UNNAMED CREEK 32



73P	FEDERAL EMERGENCY MANAGEMENT AGENCY **JEFFERSON COUNTY, AL** (UNINCORPORATED AREAS)	**FLOOD PROFILES** **UNNAMED CREEK 34**